Printed using VOC (Volatile Organic Compound)-free vegetable oil based ink.

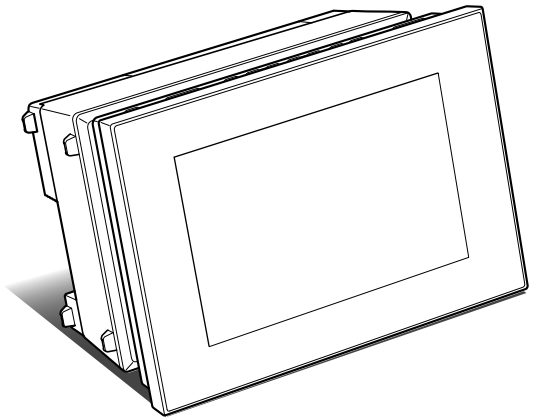
Printed in China

SONY

4-208-449-**13** (1)

Digital Photo Printer/Frame

DPP-F800



Operating Instructions

Before operating this unit, please read “Read This First” and “About the Print Packs” supplied and this manual, “Operating Instructions,” thoroughly and retain them for future reference.

Owner’s Record

The model and serial numbers are located at the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DPP-F800

Serial No. _____

These models are not available in every country and region.

Overview

Using as a photo frame

Using as a printer

Using various functions

Printing in various ways

Using with a computer

Troubleshooting

Additional information

MEMORY STICK ™ SUPER COAT 2

S-Frame

Please read the supplied “Read This First” and “About the Print Packs.”

© 2010 Sony Corporation

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture.

IMPORTANT SAFETY INSTRUCTIONS

-SAVE THESE INSTRUCTIONS

DANGER

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.

Do not expose the batteries to excessive heat such as sunshine, fire or the like.

CAUTION

Replace the battery with the specified type only. Otherwise, fire or injury may result. Dispose of used batteries according to the instructions.

For the customers in the U.S.A.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product, you may call:
Sony Customer Information Services Center
1-800-222-SONY (7669)

The number below is for the FCC related matters only.

Regulatory Information

Declaration of Conformity

Trade Name:	SONY
Model No.:	DPP-F800
Responsible Party:	Sony Electronics Inc.
Address:	16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.:	858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

For the State of California, USA only

Perchlorate Material - special handling may apply, See

www.dtsc.ca.gov/hazardouswaste/perchlorate

Perchlorate Material: Lithium battery contains perchlorate.

For the Customer in Europe

This product has been tested and found compliant with the limits set out in the EMC Directive for using connection cables shorter than 3 meters (9.8 feet).

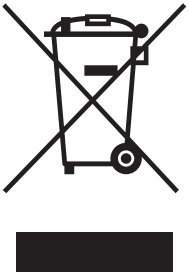
Attention

The electromagnetic fields at the specific frequencies may influence the picture of this unit.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc) again.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Notice for the customers in the countries applying EU Directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a fuse of the same rating as the supplied one and approved by ASTA or BSI to BS 1362, (i.e.marked with ASTA or BSI mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

Continued

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When using photo images with this unit, pay special attention not to infringe the provisions of the copyright law. Any unauthorized use or modification of portraits may also infringe their rights.

For some demonstrations, performances, or exhibits, photography may be forbidden.

Backup recommendations

To avoid potential risk of data loss caused by accidental operation or malfunction of this unit, we recommend that you save a backup copy of your data.

Information

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

Sony shall assume no responsibility for any accidental or consequential damages or loss of the recorded content which may be caused by use or malfunction of this unit or memory card.

Notes on LCD screen

- The displayed image on the screen is not identical in picture quality and colors with the printed image because display methods or profiles differ. This is not a malfunction.
- Do not press against the LCD screen. The screen may be discolored and that may cause a malfunction.
- Exposing the LCD screen to direct sunlight for a long period may cause malfunctions.
- The LCD screen is manufactured using extremely high-precision technology, so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue or green in color) that constantly appear on the LCD screen. These points are normal in the manufacturing process and do not affect the printing in any way.
- Images may trail across on the LCD screen in a cold location. This is not a malfunction.

Notice for users

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Documentation © 2010 Sony Corporation

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Please note that unauthorized duplication or modification of portraits or copyrighted work could infringe the rights reserved by rights holders.

You may be referred to the supplied “Read This First” and “About the Print Packs” when there are detailed explanations in the leaflet.

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The illustrations in this manual may differ slightly from the actual product.

memo

Before you start

Features

As a photo frame or as a printer, you can use your Digital Photo Printer/Frame in various ways.

The Sony digital photo printer/frame DPP-F800 displays your digital camera pictures on its screen and prints your favorites, simply and without using a computer.

How to use as a photo frame

- Enjoy slideshows of your photos (page 40)

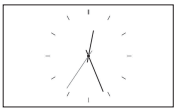
Single view

Multi image view

Clock view

Calendar view

- Enjoy various display styles (page 29~31)

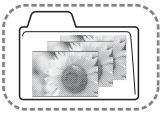

Clock display

Calendar display

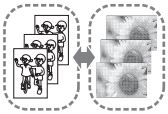
Single view

Index view

- Enjoy viewing sorted photos (page 49)

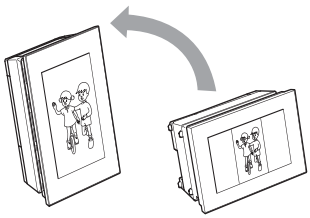

Sort by folder

Sort by shooting date

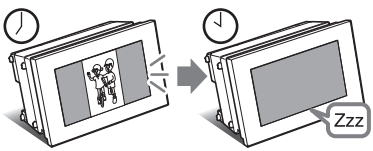

Sort by portrait/ landscape orientation

Sort by marks

- View photos in portrait or landscape orientation (page 21)

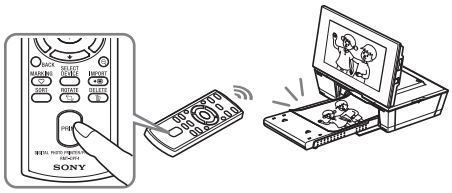


- View photos for as long as you like (page 51)



How to use as a printer

- Print a photo just as it looks (page 36)



- Print in various ways (page 54)

Print date

Print with/without border

Pages Per Sheet

- Create a calendar of your favorites, a Layout print or an ID photo (page 55)

Calendar

Layout print

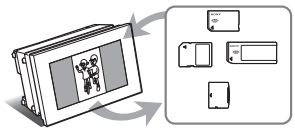
ID photo

You can even do this

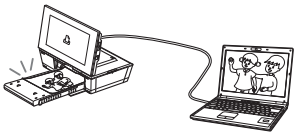
- Import images to the internal memory (page 42)

  You can import images from your memory card to the internal memory.
- Export images (page 45)

  You can export images from the internal memory to your memory card.



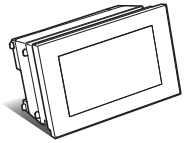
- Connect to a computer to exchange or print images (page 68)



Checking included items

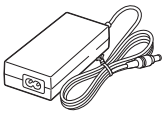
Make sure that the following items are included.

- Digital photo printer/frame (1)

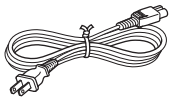


- Remote control (1)

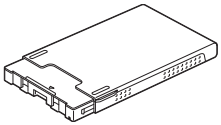
- AC Adaptor (1)



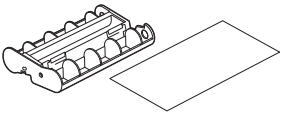
- Power cord*1 (1)



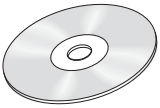
- Paper tray (1)



- Cleaning cartridge (1)
- Cleaning sheet (1)



- CD-ROM (Windows Printer Driver Software Ver.1.0 and PMB (Picture Motion Browser) Ver.5.2) (1)



- Operating Instructions (this booklet) (1)
- Read This First (1)
- About the Print Packs (1)
- Warranty (In some regions, the warranty is not supplied.) (1)
- Sony End User Software License Agreement (1)

*1 The plug shape and specifications of the power cord differ depending on the region in which you purchased this unit.

About Sony Print Packs (sold separately)

Please use a Sony optional color print pack designed for this unit. You cannot use other print packs.

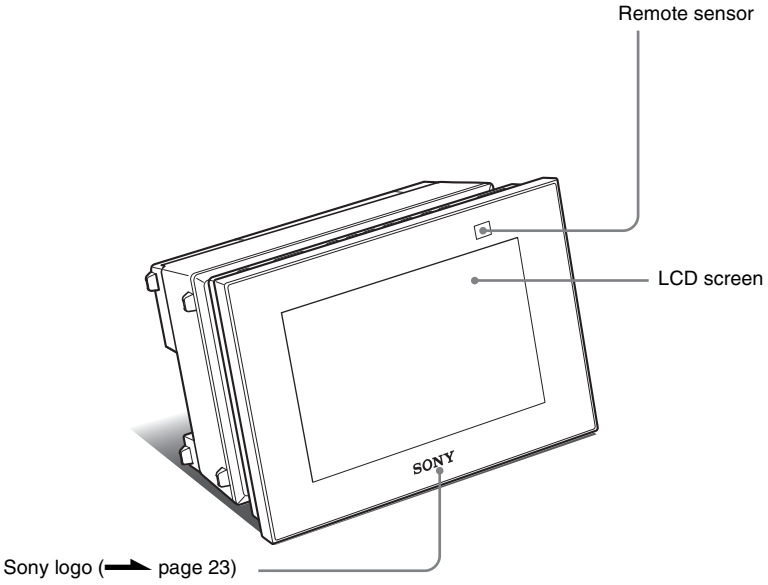
About the supplied power cord

The supplied power cord is for exclusive use with this unit and cannot be used with other electrical devices.

Identifying the parts

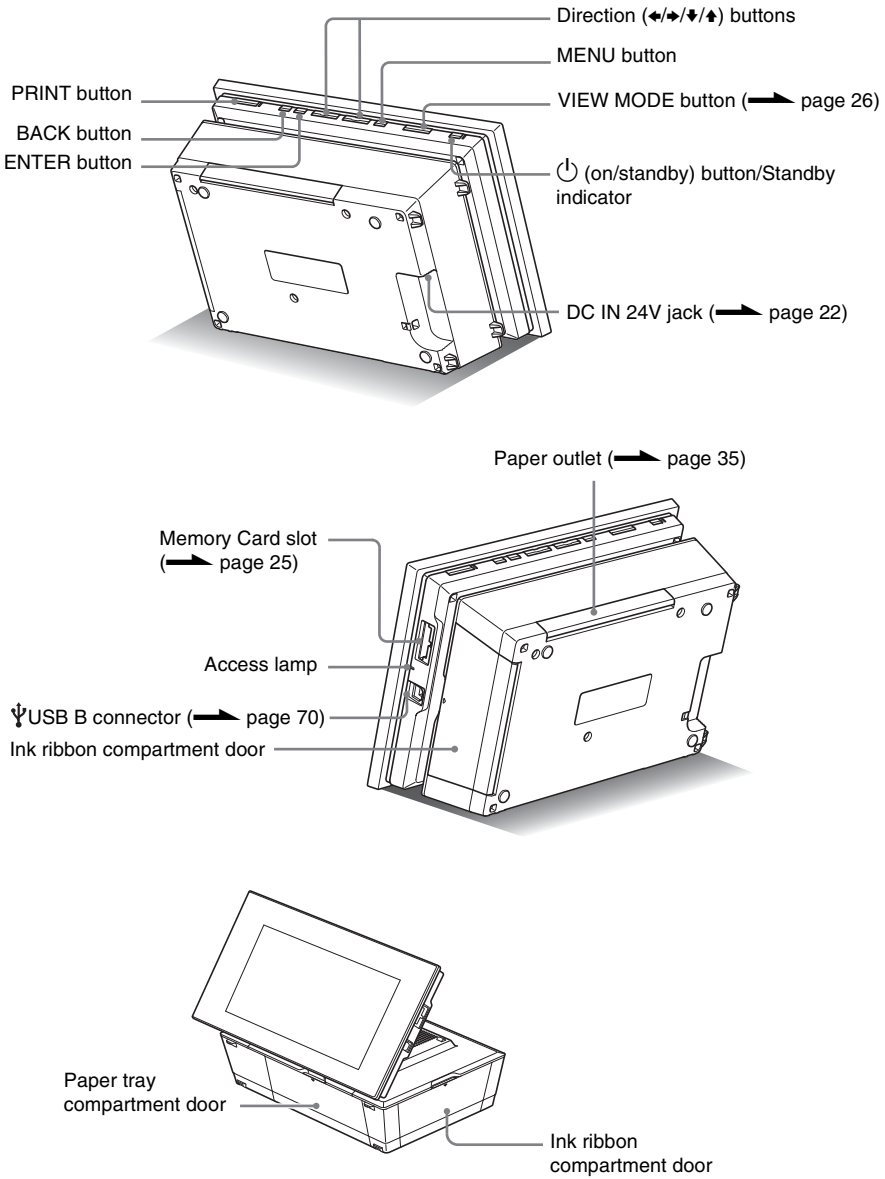
For details, see the pages indicated in the parentheses.

Front

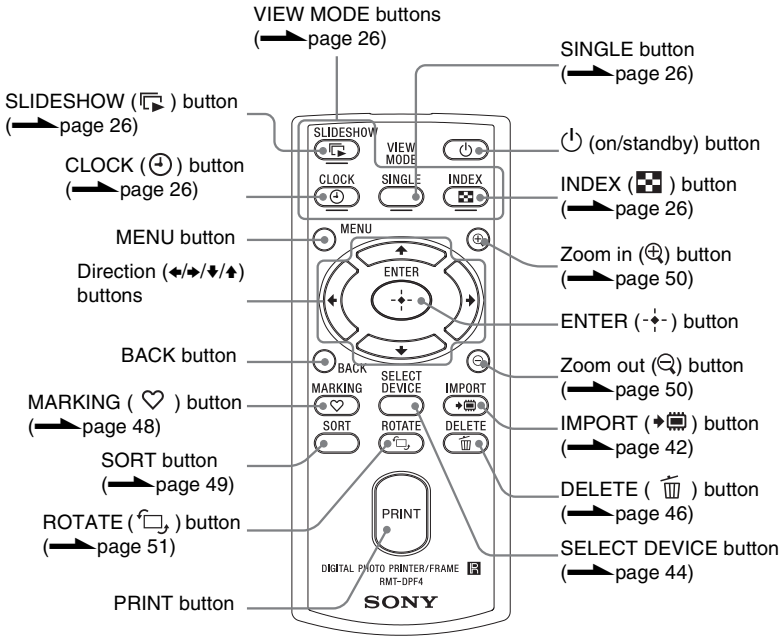


Continued

Rear


Direction (←/→/↓/↑) buttons
MENU button
PRINT button
VIEW MODE button (page 26)
BACK button
ENTER button
(on/standby) button/Standby indicator
DC IN 24V jack (page 22)
Paper outlet (page 35)
Memory Card slot (page 25)
Access lamp
USB B connector (page 70)
Ink ribbon compartment door
Paper tray compartment door
Ink ribbon compartment door

Remote control

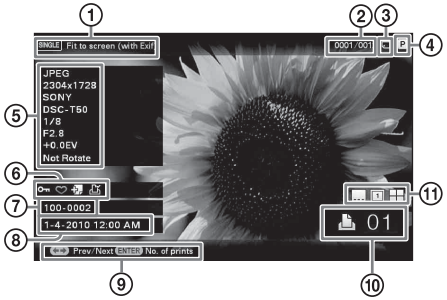


About descriptions in this manual

The operations described in this manual are based on remote control operation. When an operation is performed differently, for example, with the remote control and the buttons on this unit, it will be explained in a tip.

About the information display

Single view



Index view

The following information is shown.

	Items	Description
①	Display type	The name of the view style is displayed. **Single view** • Entire image • Fit to screen • Entire image (with Exif) • Fit to screen (with Exif) **Index view** • Index1 • Index2 • Index3
②	Image no./Total no. of images	The number of the displayed image and the total number of images are shown.
③	Device information	An icon is shown indicating the media from which the displayed image is input. • (Internal memory) • (“Memory Stick”) • (SD Memory Card) • (xD-Picture Card)
④	Ink ribbon type	The type of installed ink ribbon is shown. • P (P size) • C (Cleaning cartridge)

	Items	Description
⑤	Image information	Detailed information of the image is shown. • File format (JPEG (4:4:4), JPEG (4:2:2), JPEG (4:2:0), BMP, TIFF • Number of pixels (width × height) • Manufacturer of the image input device • Model name of the image input device • Shutter speed (e.g.: 1/8) • Aperture value (e.g.: F2.8) • Exposure value (e.g.: +0.0EV) • Rotation information
⑥	Setting information	Setting information is shown. • (Protection information) • (Associated file information) (Shown when an associated file such as a small-size image file for email or a video clip exists.) • ♡ (Shown when a mark is registered.) • DPOF (Shown if an image has a print job request set in DPOF (Digital Print Order Format).)
⑦	Image number (Folder-File number)	Shown if an image is DCF compliant. If not, a file name is shown. The file name may differ from the one that is shown on your computer.
⑧	Shooting date/time	The date and time when the displayed image was shot is shown.
⑨	Guide message	Operating guide is shown.
⑩	Set No. of prints	No. of prints set is shown.
⑪	Print setting information	The print settings of print date, border and layout print are shown (Only when in the print position (page 32)). • (Date Print ON) • (Print date and time ON) • (With border 1 ON) • (With border 2 ON) • (Pages Per Sheet 4 ON) • (Pages Per Sheet 9 ON) • (Pages Per Sheet 16 ON)
⑫	Scroll bar	The scroll bar indicates the location of a selected image among all images or among sorting results (page 49).
⑬	Cursor	You can move the cursor to select an image with ←/→/↓/↑.

memo

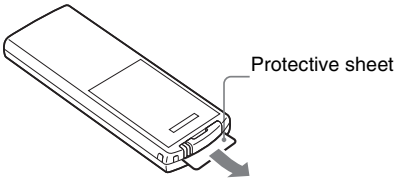
Let's get started (basic operations)

Using as a photo frame

Using as a printer

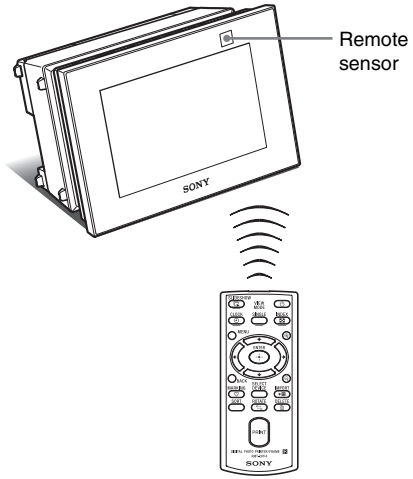
Preparing the remote control

The supplied lithium battery (CR2025) has already been inserted into the remote control. Pull out the protective sheet before use as shown in the figure.



Using the remote control

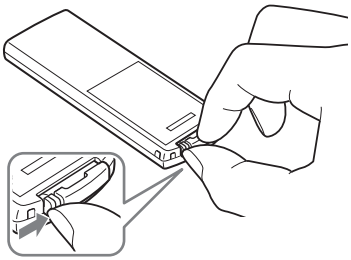
Point the top end of the remote control towards the remote sensor on this unit.



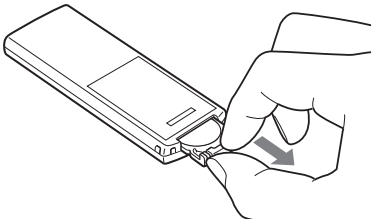
Replacing the battery of the remote control

If the remote control stops working, replace the battery (CR2025 lithium battery) with a new one.

1 Press the tab in.



2 Pull the battery holder out.



3 Insert a new battery and slide the battery holder back into the remote control.

Insert the battery so that "+" is facing upwards.

WARNING

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

Notes

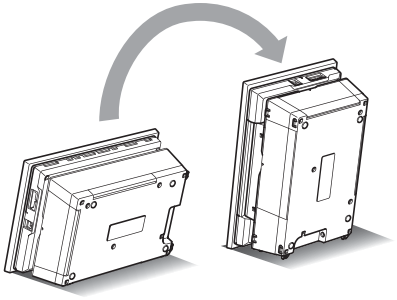
- When the lithium battery becomes weak, the operating distance of the Remote control may shorten, or the Remote control may not function properly. In this case, replace the battery with a Sony CR2025 lithium battery. Use of another battery may present a risk of fire or explosion.
- Using a battery other than the specified one may result in the battery rupturing.

- Dispose of used batteries as specified by the local authorities.
- Do not leave the remote control in a very hot and humid place.
- Take care that no foreign objects get inside the remote control when you, for example, replace the battery.
- Incorrect use of the battery may cause leaking and corrosion.
  - Do not recharge the battery.
  - When the remote control will not be used for a long period of time, remove the battery from the remote control to prevent leaking and corrosion.
  - Incorrectly inserting, shorting, dismantling, or heating the battery, or throwing it into a fire may cause the battery to rupture or leak.

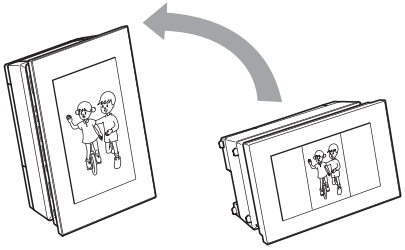
Rotating this unit

Setting to portrait or landscape orientation

You can set this unit to portrait or landscape orientation by rotating it.



When you place this unit vertically, the image on the display automatically rotates to the portrait position.



Continued

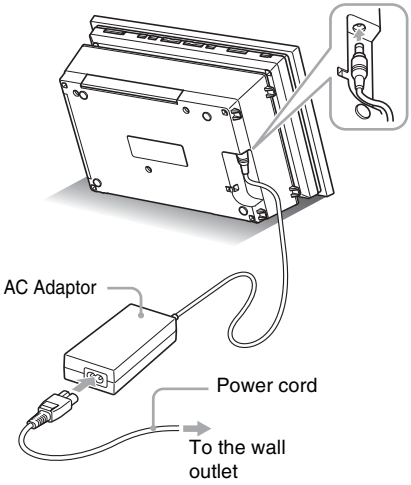
Notes

- Check whether this unit is stable. If the unit is not set properly, it may fall over.
- The Sony logo does not light up when this unit is placed vertically or turned off.
- You can also rotate the image manually. (page 51)
- To print a picture, set this unit in the print position (flat position) (page 32).

Connecting to the AC power source

1 Insert the plug of the AC Adaptor into the DC IN 24V jack on the back of this unit.

2 Connect one plug of the power cord to the connector of the AC Adaptor and the other plug to the wall outlet.
This unit automatically turns on.



A socket outlet should be as close as possible to the unit and easily accessible.

Notes

- Do not place this unit in an unstable location such as on a wobbly table.
- Connect the AC Adaptor to an easily accessible wall outlet close by. If trouble occurs while using the adaptor, immediately shut off the power by disconnecting the plug from the wall outlet.
- Do not short the plug of the AC Adaptor with a metallic object, as this may cause a malfunction.

- Do not use the AC Adaptor placed in a narrow space, such as between a wall and furniture.
- When not in use, remove the AC Adaptor from the DC IN 24V jack of this unit and the power cord from the wall outlet.
- This unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the printer itself has been turned off.

To use this unit abroad - Power sources

You can use this unit and the AC Adaptor (supplied) in any country or region where the power supply is within 100 V to 240 V AC, 50Hz/60Hz.

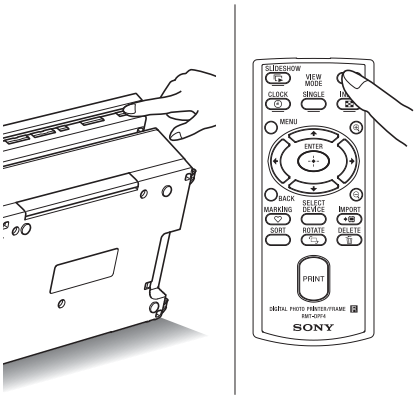
Do not use an electronics transformer (travel converter), as this may cause a malfunction.

Turning this unit on

When you have already turned on this unit in the previous section, skip to the next section.

Turning on the power

Press ⏻ (on/standby) on this unit or remote control to turn on the power. The standby indicator turns to green from red. The Sony logo on the front panel lights up.



Turning off the power

Hold ⏻ (on/standby) on this unit or remote control until the power turns off. The standby indicator on this unit turns from green to red and this unit enters standby mode.

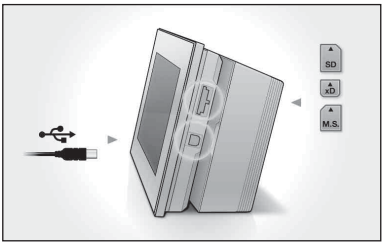
Notes

Do not disconnect the AC Adaptor from the wall outlet or DC IN 24V jack before the standby indicator turns red. Doing so may damage this unit.

Continued

Operations in an initial state

When this unit is turned on without a memory card inserted, the initial display below appears on the screen.



If this unit is not operated for 10 seconds, the demo mode is displayed. If any other button than the power button is pressed, the screen returns to the initial display.

First, press MENU during the initial display, and then set the current date and time. (See next section)

Setting the current date and time

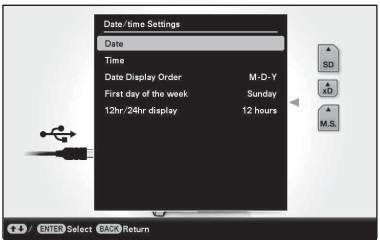
1 Press MENU.

2 Press ←/→ to select the (Settings) tab.

Tips

You can only use the ←/→ buttons when the clock and calendar settings item (page 29) is not selected.

3 Press ↓/↑ to select [Date/time Settings] and then press -✦-.



4 Adjust the date.

①Press ↓/↑ to select [Date] and then press -✦-.

②Press ←/→ to select year, month, and day, and then press ↓/↑ to select a value, then press -✦-.

5 Adjust the time.

①Press ↓/↑ to select [Time] and then press -✦-.

②Press ←/→ to select hour, minute, and second, and then press ↓/↑ to select a value, then press -✦-.

6 Select the format of the date.

①Press ↓/↑ to select [Date Display Order] and then press -✦-.

②Press ↓/↑ to select a format and then press ⊹.
- Y-M-D
- M-D-Y
- D-M-Y

7 Set the day to start the week for the calendar.

You can set the day that appears on the very left when the calendar is displayed.

①Press ↓/↑ to select [First day of the week] and then press ⊹.
②Press ↓/↑ to select [Sunday] or [Monday] and then press ⊹.

8 Select the time display.

①Press ↓/↑ to select [12hr/24hr display] and then press ⊹.
②Press ↓/↑ to select [12 hours] or [24 hours] and then press ⊹.

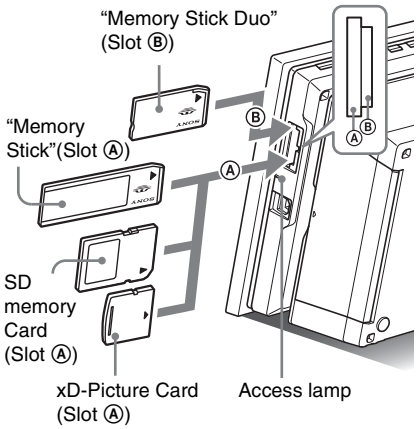
9 Press MENU.

The menu screen is closed.

Inserting a memory card

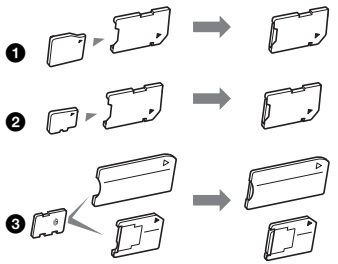
Insert the memory card firmly into the corresponding slot with its label side facing toward you (when you are facing the back side of this unit).

The access lamp flashes when the memory card is inserted correctly. Reinsert the memory card after checking the label side of the memory card if the access lamp does not flash.



Notes

- When using a miniSD/SDHC ❶, microSD/SDHC ❷ or "Memory Stick Micro" media ❸, be sure to insert it in an appropriate adaptor.



Continued

For details on compatible memory cards, see pages 100 to 102. For supported file formats, see page 103.

When you insert a memory card

When you insert a memory card, the images on it are automatically displayed. If you switch off the power while they are being displayed and then switch the power back on, the same images continue to be displayed.

Notes

- In clock and calendar display, change to "Slideshow", "Single image display" or "Index" (See next section).

To change the playback device

Press the SELECT DEVICE (page 44).

To remove a memory card

Remove the memory card from its slot in the opposite direction from which it was inserted.

Do not remove the memory card while the access lamp is flashing.

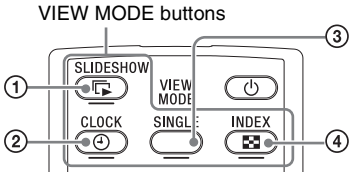
Notes

- The slot is both a "Memory Stick" standard and Duo size compatible slot, so you do not need a "Memory Stick" adaptor.
- The "Memory Stick" (Standard/Duo)/SD memory card/MMC/xD-Picture Card multi-purpose slot automatically detects the card type.

Changing the display

You can change the view style by pressing the VIEW MODE buttons.

1 Press the button corresponding to view mode you want to select.



The display changes to selected view mode.

①

Slideshow (page 28)

②

Clock and calendar (page 29)

③

SINGLE
Single view (page 30)

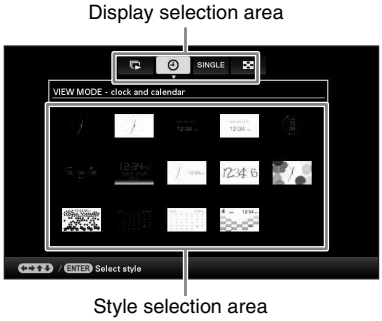
④

Index (page 31)

Tips

- When using the buttons on this unit, press VIEW MODE on the upper back of the LCD screen, press ↑ to move the cursor to the display selection area and press ←/→ to select a display.

- You can also repeatedly press VIEW MODE on this unit, move the cursor within the display selection area and select any view mode.



2 Select a style with ←/→/↓/↑ and press ·.

The display changes to the selected view style.

Tips

- If the cursor is in the display selection area, move it to the style selection area by pressing ↓.
- You can move it within the style selection area by pressing the button corresponding to currently selected view mode , , SINGLE or or VIEW MODE on this unit repeatedly.

Notes

- If you do not operate this unit for a certain period of time, the style indicated by the cursor is automatically selected.

Slideshow display

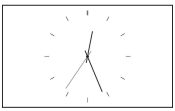
Display	Style	Description
Slideshow	Single view	Images are displayed on a single screen, one after another.
	Multi image view	Displays multiple images at the same time.
	Clock view	Displays images, one after another, while showing the present date and time.
	Calendar view	Displays images, one after another, while showing a calendar. The present date and time is shown.
	Time Machine	Displays images, one after another, while showing the shooting date and time. The present date and time is not shown.
	Random view	Displays images while randomly switching between a number of different slideshow styles and effects. **When displaying images in random order** You can do this if [Shuffle] in [Slideshow Settings] is set to [ON]. (Page 41)

Tips

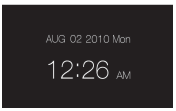
- You can set the interval, effect, listing order, or color effect when you select the slideshow display. Refer to "Changing the settings of the slideshow" (page 40).
- If you press ⊹ during slideshow, the display changes to single view mode.
- If you turn this unit off during slideshow and back on, the slideshow restarts from the last image viewed.

Clock and calendar display

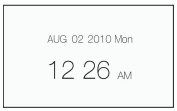
Clock1



Clock2



Clock3



Clock4

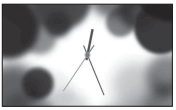
Clock5

Clock6

Clock7

Clock8

Clock9

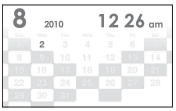


Clock10

Clock11

Calendar1

Calendar2



Calendar3

Lunar Calendar (when you select [Simplified Chinese] in [Language Setting])

Arabic calendar (when you select [Arabic] in [Language setting])

Farsi calendar (when you select [Persian] in [Language setting])

Notes

- Only the (Settings) tab is available in the clock and calendar display mode.

Single view mode (single image display)

Display	Style	Description
SINGLE	Entire image	Displays an entire image in the screen. You can switch the images to be displayed by pressing ←/→.
	Fit to screen	Displays an image over the whole screen. (Depending on the aspect ratio of the recorded image, the border of the image may only be partially displayed.) You can switch the images to be displayed by pressing ←/→.
	Entire image (with Exif)	Displays image information, such as the image number, file name, and shooting date while displaying the entire image. You can switch the images to be displayed by pressing ←/→. Refer to “About the information display” (page 16) for details on the image information.
	Fit to screen (with Exif)	Displays image information, such as the image number, file name, and shooting date in fit to screen mode. (Depending on the aspect ratio of the recorded image, the border of the image may only be partially displayed.) You can switch the images to be displayed by pressing ←/→. Refer to “About the information display” (page 16) for details on the image information.

Index view

Display	Style	Description
Index	Index1	Displays a list of large thumbnails. You can select an image by pressing ←/→/↓/↑.
	Index2	Displays a list of thumbnails. You can select an image by pressing ←/→/↓/↑.
	Index3	Displays a list of small thumbnails. You can select an image by pressing ←/→/↓/↑.

Tips

- A thumbnail is a small-sized image for index use that is recorded in the pictures taken by a digital camera.
- You can select the single view mode when you press ⊹ when the image you want appears in the index image display.

Preparation

To use this unit as a printer, do the following.

Prepare the remote control (page 20).

Connect the AC power source (page 22).

Set this unit in the print position (flat position) (see next topic).

Set an ink ribbon (page 33).

Set some print paper (page 34).

Turn this unit on (page 23).

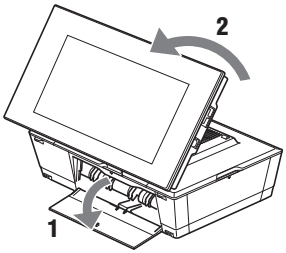
- For details of the remote control and AC power source, see “Using as a photo frame.” (page 20)

Setting this unit in the print position (flat position)

To use this unit as a printer, do the following.

1 Lay this unit flat (print position) and open the paper tray compartment door.

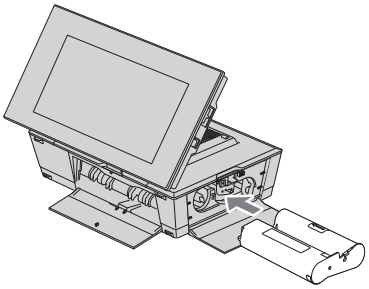
2 Tilt the display up.



Setting the ink ribbon

1 Pull and open the ink ribbon compartment door.

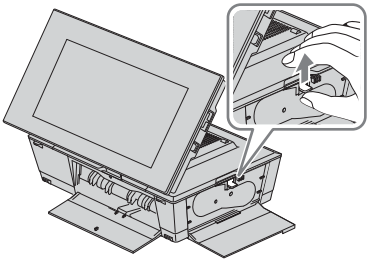
2 Insert the ink ribbon in the direction of the arrow until it clicks into place.



3 Close the ink ribbon compartment door.

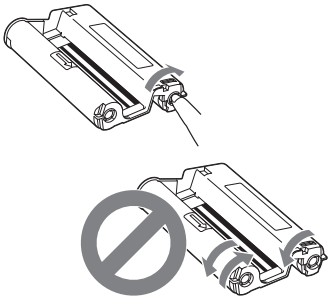
Removing the ink ribbon

Push up the blue eject lever, and remove the used ink ribbon.



Notes

- Do not touch the ink ribbon or store the ink ribbon in a dusty location. Fingerprints or dust on the ink ribbon may result in imperfect printing.
- Do not rewind the ink ribbon and use the rewound ink ribbon for printing. Otherwise, proper printing results will not be obtained, or a malfunction may occur. If the ink ribbon does not click into place, remove it and then re-insert it. Only when the ink ribbon is too slack to be loaded, keep pressing the core of the ribbon and wind the ink ribbon in the direction of the arrow to remove the slack.

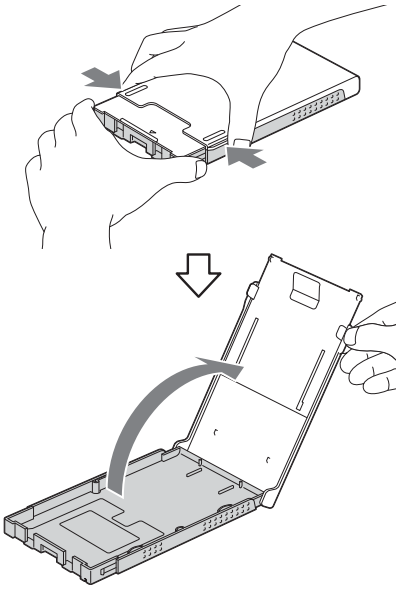


Do not wind the ribbon in the directions shown here.

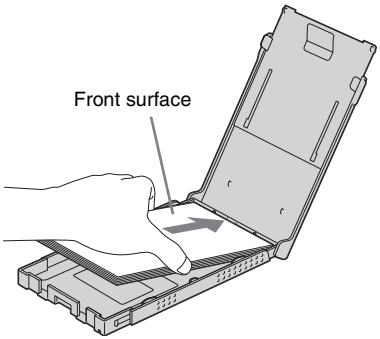
- Do not disassemble the ink ribbon.
- Do not pull out the ribbon from the ink ribbon.
- Do not remove the ink ribbon while printing.
- **Notes on storing printing packs**
  Avoid placing the printing pack in locations that are subject to high temperature (more than 30 °C/ 86° F), high humidity, excessive dust or direct sunlight.
  Please store it in a cool and dark place and use it within a short period from the date of production. Depending on the storage conditions, the ink ribbon may deteriorate. Use of such an ink ribbon may affect the printed results, for which we cannot guarantee or compensate.

Inserting the print paper

1 Open the paper tray cover.
Hold the parts on both sides of the paper tray cover (shown with arrows) and open the paper tray cover.

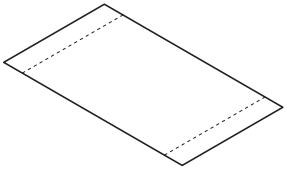


2 Set the print paper in the paper tray with the print surface facing up.

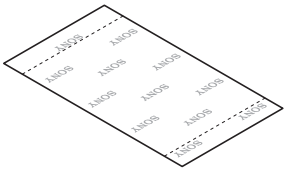


Make sure the print paper is not upside down.

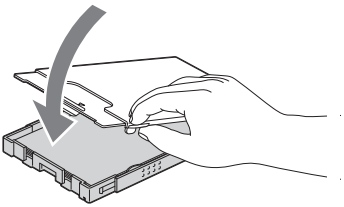
Front surface



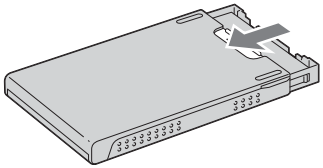
Rear surface



3 Close the paper tray cover.



4 Open the slide cover.



Notes

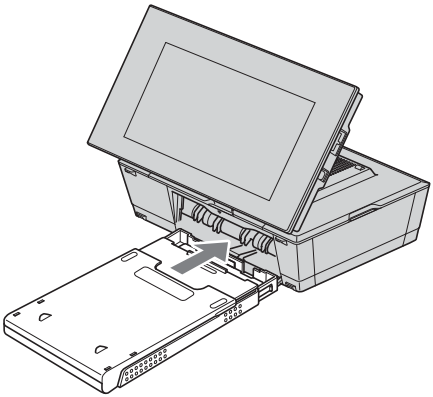
- You can set up to 20 sheets of print paper. Riffle the print paper thoroughly. Insert the print paper with the protective sheet facing up. Remove the protective sheet from the tray.
- If there is no protective sheet, insert the print paper into the paper tray with its printing surface (the side with no imprint) facing up.
- Do not touch the printing surface. Fingerprints or contamination on the printing surface may result in imperfect printing.

- Do not bend the print paper, or cut the print paper from the perforations before printing.
- To avoid paper jam or malfunctions of this unit, make sure of the following before printing:
  - Do not write or type on the print paper.
  - Do not attach a sticker or stamps on the print paper.
  - When adding print paper to the paper tray, be sure that the total number of print paper sheets does not exceed 20 sheets.
  - Do not insert different types of print paper together into the paper tray.
  - Do not print on used print paper. Printing an image twice on the same paper will not make the printed image thicker.
  - Use the print paper for this unit only.
  - Do not use print paper ejected without printing.

Notes on storing the print paper

- To store print paper in the tray, remove the paper tray from this unit and close the slide door of the paper tray.
- Avoid storing the paper with the printed faces touching each other or in contact with rubber or plastic products, including vinyl chloride or plasticizer for an extended period of time; color changes or deterioration of the printed image may occur.
- Avoid placing the print paper in a location subject to high temperatures, high humidity, excessive dust or direct sunlight.
- When you are going to store partially-used print paper, store it in its original bag or a similar container.

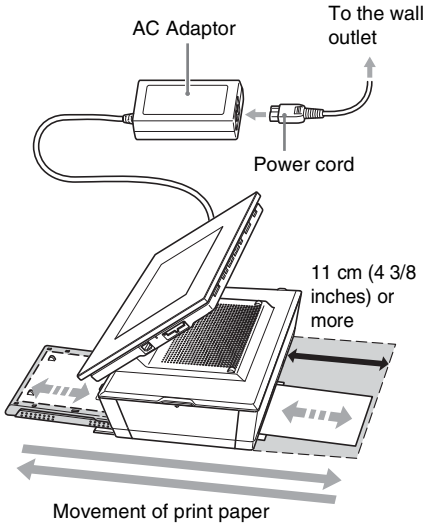
5 Insert the paper tray into this unit.



Before printing

The paper outlet opens automatically when this unit is placed in the print position (when laid flat), but you should make sure it is fully open before printing.

Leave enough room around this unit. The print paper emerges from the back a few times during printing. Keep 11 cm (4 3/8 inches) or more space at the rear of this unit.



Basic printing

This section explains how to display the images of a memory card or internal memory on this unit's LCD screen and print the selected images (direct printing).

To print an image from the connected computer, see "Printing an image from your computer" (page 73).

Printing in single view mode

1 Press ⏻ (on/standby) to turn this unit on.

2 Change the display to single view mode.
For changing the display, see "Changing the display" (page 26).

3 Press ←/→ to display the image that you want to print.

4 Set the No. of prints.
When making one print of the displayed image, skip this step and go on to step 5.
If you press the -✣- button when an image is displayed in single view mode, 01 appears at the bottom right of the screen.
Press ↓/↑ to set the No. of prints and press -✣- . The display returns to single view mode and the set No. of prints is displayed.

5 Press PRINT.
Printing starts.
The images are printed with the quantity set in step 4.

To print multiple images

Repeat steps 3 and 4.

To change the print quantity

Display the image whose print quantity you want to change and press -✣- to set the print quantity. If you select "0," printing is canceled.

Tips

- If you press PRINT in index view mode (page 31), the image indicated by the cursor and ones you set the No. of prints will be printed.
- To print an index page, see "Performing Batch Print" (page 60).

Printing in slideshow mode

You can print directly from a slideshow screen that is being displayed.

1 Press ⏻ (on/standby) to turn this unit on.

2 Change the display to slideshow mode.
For changing the display, see "Changing the display" (page 26).
Press ←/→ to select the image that you want to print.

3 Press PRINT.
The print preview screen is displayed.

4 Set the No. of prints.
If you press the -✣- button when the print preview screen is displayed, 01 appears at the bottom right of the screen.
Press ↓/↑ to set the No. of prints and press -✣- . The display returns to the print preview screen and the set No. of prints is displayed.

5 Press PRINT.

Printing starts.

The image displayed on the print preview screen is printed.

Notes

- You cannot print in clock and calendar display.
- Never move or turn off this unit while it is printing; the ink ribbon may become stuck or paper jam may occur. In case you turn off the power, keep the paper tray inserted and turn on this unit. After the paper is ejected, resume printing.
- Do not remove the paper tray during printing. Otherwise, malfunction may occur.
- The print paper emerges a few times during printing. Do not touch nor pull the emerged paper.
- If print paper is jammed, see page 96.
- Date Print/Borders/Pages Per Sheet can only be printed in single image display mode (page 54).

memo

Try using various functions (advanced operations)

Enjoying a slideshow

1 Press (Slideshow).

Tips

- When using the buttons on this unit, press VIEW MODE on the upper back of the LCD screen, press ↑ to move the cursor to the display selection area and press ←/→ to select (Slideshow).
- When the cursor is in the display selection area, move it to the style selection area with ↓.
- When the cursor is in the style selection area, you can move it by pressing VIEW MODE repeatedly.

Display selection area

Style selection area

2 Press ←/→/↓/↑ to select the style you want, then press ·.

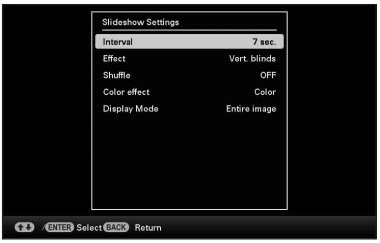
Refer to “Slideshow display” (page 28) for details on the slideshow styles.

Changing the settings of the slideshow

1 Press MENU.

2 Press ←/→ to select the (Settings) tab.

3 Press ↓/↑ to select [Slideshow Settings] and then press ·.



4 Press ↓/↑ to select the item and then press ·.
Refer to the tables on the next page for details on the setting items.

Notes

- Note the following when you select a slideshow using the image stored on the memory card.
  - Due to the characteristics of memory cards, frequent reading can lead to errors and images may not be displayed correctly.
  - Do not run a slideshow for a long time with a small number images. This may cause data error.
  - We recommend you back up images on the memory card often.
- When this unit is, for instance, displaying a slideshow, changes to the settings of some items are unavailable. These items are shown in gray and cannot be selected.

- The slideshow starts from the first image if you turn off this unit, or if you reset this unit.
- When the screen is too bright, it may make you feel nauseous. Be careful that you do not make the brightness settings too bright when you use this unit.

*: Factory default settings

Item	Setting	Description	
Slideshow Settings	Interval	Set a value from 3 sec., 7 sec.*, 20 sec., 1 min., 5 min., 30 min., 1 hour, 3 hours, 12 hours, 24 hours for the interval between images. Notes • An image may not switch at the intervals you set on the menu, depending on the style of the slideshow or the size of the image.	
	Effect	Center cross	Transitions to the next image as though the previous image is being pushed from the center to the four corners.
		Vert. blinds	Transitions to the next image as though blinds are being lowered vertically.
		Horiz. blinds	Transitions to the next image as though blinds are being pulled horizontally.
		Fade*	Transitions to the next image by fading out the current image and fading in the next image.
		Wipe	Transitions to the next image as though the current image is being wiped off the screen to reveal the next image.
		Random	Uses the above five effects randomly.
	Shuffle	ON	Displays images randomly.
		OFF*	Cancels shuffle playback.
	Color effect	Color*	Displays an image in color.
		Sepia	Displays an image in a sepia color.
		Monochrome	Displays an image in monochrome.
	Display Mode	You can select the display size of the slide image. Notes • The original image data will not change.	
		Entire image*	Displays an entire image enlarged to proper size. (An image may be displayed with margins on the top, bottom, left and right.)
		Fit to screen	Zooms in at the center of the image enough to fill the whole screen. Notes • An image may not display with the display size you set on the menu, depending on the style of the slideshow.

Importing images from a memory card to the internal memory

You can use this unit as a digital album, saving important images in the internal memory.

Tips

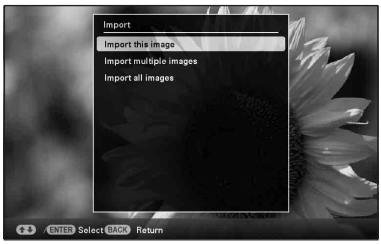
- When saving images to the internal memory, you can use [Image import size] in the menu to preset whether to resize images to the optimum size or save them as they are without compressing them (page 64).
  When [Image import size] is set to [Resize], up to approx. 500 images can be imported to the internal memory. When set to [Original], the number of images that can be saved may vary, depending on the original image file size.

1 Press (Import) when an image stored on the memory card is displayed on the screen.

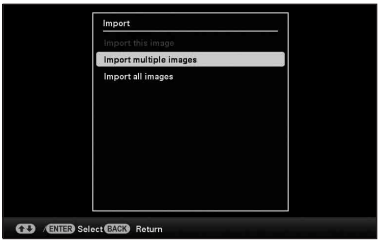
Tips

- If using the buttons on this unit, press MENU, select the (Editing) tab with ←/→, select [Import] with ↓/↑, and press .

Single view mode (Single image display)



Slideshow display



Index image display

2 Press ↓/↑ to select [Import this image], [Import multiple images] or [Import all images] and then press .

If you select [Import this image], the image currently displayed is imported to the internal memory. Go to step 5. (This item cannot be selected on the slideshow display.)

If you select [Import multiple images], you can select the image you want to import from the image list. Go to step 3.

If you select [Import all images], the image list is displayed. A check mark is attached to the check box of all the images. Go to step 4.

3 Use ←/→/↓/↑ to select the image from the image list to be imported and press ⊹.
"✔" is added to the selected image. If you want to import multiple images at a time, repeat this step.

If you want to clear the selection, select the image and press ⊹. "✔" disappears from the image.

About image sorting in the image list

During a sort:

Lists all images that meet the sorting criteria.

Not during a sort:

Lists all images in the device that contains the image currently displayed.

Refer to "Sorting images (Filtering)" (page 49).

4 Press MENU.
The confirmation screen used for selecting a folder is displayed.

5 Press ↓/↑ to select the folder you want and press ⊹.
The confirmation screen used to decide whether to import an image or not to the internal memory is displayed.

Tips

- A new folder is created automatically when you select [New folder].

6 Press ↓/↑ to select [Yes] and then press ⊹.
The image is saved in the specified folder in the internal memory.

7 Press ⊹ when the confirmation screen is displayed.

Notes

- "Import to the internal memory" is not available for images in the internal memory.
- Avoid doing the following while images are being imported to the internal memory. Doing so may damage this unit, memory card, or the data:
  - Turning off the power
  - Removing an memory card
  - Inserting another card

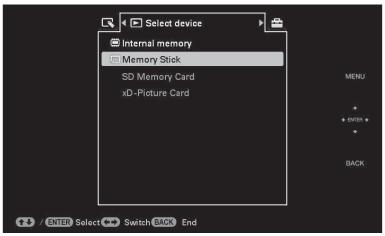
Tips

You can change the thumbnail size using [⊕/⊖] in the image list.

Specifying the playback device

You can specify whether to display a memory card or the internal memory.

1 Press SELECT DEVICE.



Tips

- When operating from the main unit, press the MENU and use the ◆/◆ buttons to select the ▶ (Select device) tab.
- If the memory card you want to select is not inserted, insert it now.

Notes

- During clock and calendar display, you cannot select the ▶ (Select device) tab.

2 Press ↓/↑ to select a device to display the image and press ·.

The images of the selected device are displayed.

Exporting an image from the internal memory to a memory card

You can export the images in the internal memory to a memory card.

1 Press MENU when an image stored on the internal memory is displayed on the screen.

2 Press ←/→ to select the (Editing) tab.

3 Press ↓/↑ to select [Export] and then press ·.

Single view mode (Single image display)

4 Press ↓/↑ to select [Export this image], [Export multiple images] or [Export all images] and then press ·.

If you select [Export this image], the image currently displayed is exported to the device. Go to step 7. (This item cannot be selected on the slideshow display.)

If you select [Export multiple images], you can select the image you want to export from the image list. Go to step 5.

If you select [Export all images], the image list is displayed. A check mark is attached to the check box of all the images. Go to step 6.

5 Use ←/→/↓/↑ to select the image from the image list to be exported and press ·.

"✔" is added to the selected image.

If you want to export multiple images at a time, repeat this step.

If you want to clear the selection the image, select the image and press ·. "✔" disappears from the image.

About image sorting in the image list

During a sort:

Lists all images that meet the sorting criteria.

Not during a sort:

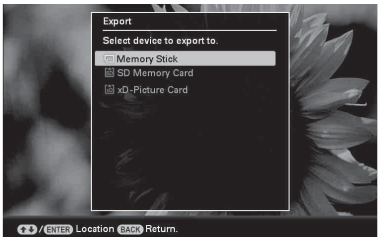
Lists all images in the internal memory.

Refer to "Sorting images (Filtering)" (page 49).

6 Press MENU.

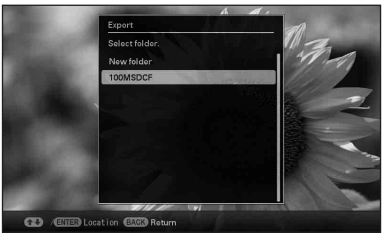
The screen used for selecting the memory card to which to export is displayed.

7 Press ↓/↑ to select a memory card to export the image to and press ·.



8 Press ↓/↑ to select a destination folder and press ·.

The confirmation screen used to decide whether to export or not is displayed.



Continued

Tips

If you select [New folder], a new folder is created automatically .

9 Press ↓/↑ to select [Yes] and then press ·.
The exporting is finished.

10 Press · when the confirmation screen is displayed.
The image is copied to the specified memory card.

Notes

- Avoid doing the following while an image is being exported. Doing so may damage this unit, memory card, or the data:
  - Turning off the power
  - Removing an memory card
  - Inserting another card

Tips

- You can also use the MENU button on this unit.
- You can change the thumbnail size using [⊕/⊖] in the image list.
- Any memory card that is not recognized by this unit is shown in gray and you cannot select it.

Deleting an image

1 Press 🗑 (Delete) when an image is displayed on the screen.

Tips

- If using the buttons on this unit, press MENU, select the (Editing) tab with ←/→, select [Delete] with ↓/↑, and press ·.

2 Press ↓/↑ to select [Delete this image], [Delete multiple images] or [Delete all images] and then press ·.
If you select [Delete this image], the image currently displayed is deleted. Go to step 5. (This item cannot be selected on the slideshow display.)
If you select [Delete multiple images], you can select the image you want to delete from the image list. Go to step 3.
If you select [Delete all images], the image list is displayed. A check mark is attached to the check box of all the images. Go to step 4.

3 Use ←/→/↓/↑ to select the image from the image list to be deleted and press ·.
"✔" is added to the selected image.
If you want to delete multiple images at a time, repeat this step.
If you want to clear the selection, select the image and press ·. "✔" disappears from the image.

About image sorting in the image list

During a sort:

Lists all images that meet the sorting criteria.

Not during a sort:

Lists all images in the memory card that contains the image currently displayed.

Refer to “Sorting images (Filtering)” (page 49).

4 Press MENU.
The delete confirmation screen is displayed.

5 Press ↓/↑ to select [Yes] and then press ⊹.
The image is deleted.

6 Press ⊹ when the confirmation screen is displayed.

To format the internal memory

1 Press MENU.

2 Press ←/→ to select the 🧰 (Settings) tab.

3 Press ↓/↑ to select [Initialize] and then press ⊹.

4 Press ↓/↑ to select [Format internal memory] and then press ⊹.
The confirmation screen used for initializing the internal memory is displayed.

5 Press ↓/↑ to select [Yes], then press ⊹.

Notes

- Avoid doing the following while an image is being deleted. Doing so may damage this unit, memory card, or the data:
  - Turning off the power
  - Removing an memory card
  - Inserting another card
- When the message [Cannot delete a protected file.] appears on the screen, the image file was set to Read Only on a computer. In this case, connect this unit to a computer, and delete this file using the computer.
- The total capacity of the internal memory is not equal to the remaining capacity, even immediately after initialization.
- If deletion has started, the deleted image cannot be recovered even if you stop deletion. Delete images only after confirming you actually want to delete them.

Tips

- You can change the thumbnail size using [🔍+/🔍−] in the image list.

Registering a mark

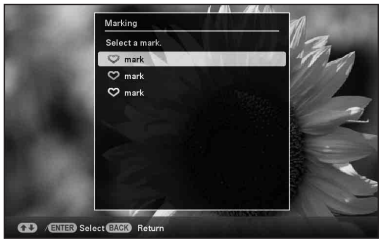
You can produce a slideshow only with images which have been selected beforehand and have been marked. You can easily check for images with marks using the index image display or single view mode (with Exif).

1 Press ♡ (Marking) when an image is displayed on the screen.

Tips

- If using the buttons on this unit, press MENU, select the (Editing) tab with ←/→, select [Marking] with ↓/↑, and press ⊕.

2 Press ↓/↑ to select the mark you want and then press ⊕.



3 Press ↓/↑ to select [Mark this image], [Mark/Unmark multiple images] or [Mark all images] and then press ⊕.

If you select [Mark this image], the image currently displayed will be marked and showed in the future. (This item cannot be selected on the slideshow display.)

If you select [Mark/Unmark multiple images], you can select the image to which you want to attach a mark from the image list. Go to step 4.

If you select [Mark all images], the image list is displayed. A check mark is attached to the check box of all the images. Go to step 5.

4 Use ←/→/↓/↑ to select the image from the image list to be marked and press ⊕.

"✔" is added to the selected image.

If you want to mark multiple images at a time, repeat this step.

If you want to clear the selection, select the image and press ⊕. "✔" disappears from the image.

About image sorting in the image list

During a sort:

Lists all images that meet the sorting criteria.

Not during a sort:

Lists all images in the memory card that contains the image currently displayed.

Refer to "Sorting images (Filtering)" (page 49).

5 Press MENU.

The confirmation screen appears.

6 Press ↓/↑ to select [Yes] and then press ⊕.

The mark is attached to the selected image.

To delete the registration of a mark

Select [Unmark this image] or [Unmark all images] and then press ⊕ in step 3. You can also cancel the selection when you remove the check mark from the check box.

- [Unmark this image]:
  Removes a mark from the image currently displayed. (This item cannot be selected on the slideshow display.)
- [Unmark all images]:
  During a sort:
  Unmarks all images that meet the sorting criteria.
  Not during a sort:
  Unmarks all images in the memory card that contains the image currently displayed.

Notes

- Only marks attached to images on the internal memory are saved.
  Marks attached to images on a memory card will be removed when you turn the power off or change playback devices.

Tips

- You can select a mark from among 3 types.
- You can change the thumbnail size using [⊕/⊖] in the image list.

Sorting images (Filtering)

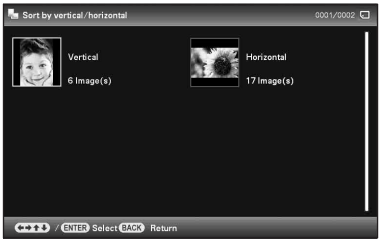
You can sort for images stored in the internal memory or on a memory card according to date, folder, image orientation or marks.

1 Press SORT when an image is displayed on the screen.

Tips

- If using the buttons on this unit, press MENU, select the (Editing) tab with ←/→, select [Sort] with ↓/↑, and press ·.

2 Select a sort style using ↓/↑ and press ·.



- [Sort by date]:
  Filters by the shooting date.
- [Sort by folder]:
  Filters by the folder.
- [Sort by vertical/horizontal]:
  Filters by the image orientation.
- [Sort by mark]:
  Filters by the mark.

3 Press ←/→/↓/↑ to select the item you want and then press ·.

Continued

To cancel the sort

Press MENU while the sorted images are displayed, select [Exit sort (show all photos)] and press -⌖-.

To change the sort style

Press BACK while the sorted images are displayed.

Notes

- Do not turn this unit off or remove the memory card during sort. Doing so may damage this unit or the memory card or corrupt the data.
- Sort is automatically canceled in the following cases:
  - When the playback device is changed
  - When images on a memory card are sorted and the memory card is removed.
- If you change the memory device during sorting, the sort is automatically canceled.

Adjusting image size and orientation

Enlarging/reducing an image

You can enlarge or reduce an image in single view mode.

1 To enlarge an image, press ⊕ (zoom in) on the remote control. To reduce an enlarged image, press ⊖ (zoom out).

Each press of the ⊕ button enlarges the image further. You can enlarge an image to a maximum of 5 times the original scale. You can move an enlarged image up, down, left, and right.

To save an enlarged or a reduced image (Crop and save)

①Press MENU while the enlarged or reduced image is displayed.
②Press ↓/↑ to select the saving method.
If you select [Save as new image], a copy of the image is saved. Proceed to step ③.
If you select [Overwrite], the new image overwrites the old image. Proceed to step ⑤.
③Press ↓/↑ to select the device on which to save the image and press -⌖-.
④Press ↓/↑ to select a destination folder and press -⌖-.
⑤Press ↓/↑ to select [Yes] and press -⌖-.
The image is saved.
⑥When the confirmation screen appears after you finish saving the image, press -⌖-.

Tips

- If you move the enlarged image with ←/→/↓/↑ and press MENU in step ①, the image is trimmed into the displayed image size and saved.

Notes

- Enlarging an image may reduce the quality depending on the image size.
- You cannot overwrite the image if its data format is other than JPEG (.jpg)

Rotating an image

You can rotate an image during single view mode.

1 Press MENU in single view mode.

2 Press ←/→ to select the (Editing) tab.

3 Press ↓/↑ to select [Rotate] and then press ·.

4 Press ↓/↑ to select the direction to rotate and then press ·.

- : Rotates the image 90 degrees clockwise.
- : Rotates the image 90 degrees counterclockwise.

5 Press ↓/↑ to select [OK] and then press ·.

Notes

- An enlarged image cannot be rotated.

Tips

- You can also rotate an image with (Rotate) on the remote control. The image rotates 90 degrees counterclockwise every time you press the button.
- When displaying the images in the internal memory, the information used to rotate the image is retained even after the power is turned off.
- You can rotate the image of the index image display.

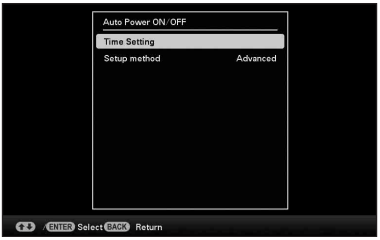
Changing the settings of the auto power on/off function

You can use the timer function to turn this unit on or off automatically when this unit is turned on.

1 Press MENU.

2 Press ←/→ to select the (Settings) tab.

3 Press ↓/↑ to select [Auto power ON/OFF] and press ·.



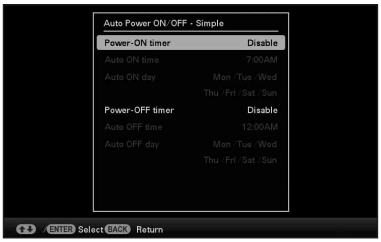
4 Press ↓/↑ to select [Setup method] and press ·. Then, press ↓/↑ to select [Simple], [Advanced] or [Auto off], and press ·.

[Simple]:
Sets the auto power ON/OFF function finely in one minute increments.
[Advanced]:
Sets the auto power ON/OFF function according to a day of the week by one hour units.
[Auto off]:
Sets the amount of time after which the auto power OFF function turns off the power if no operations are done.

Continued

5 Press ↓/↑ to select [Time Setting] and press ·.

[Simple]

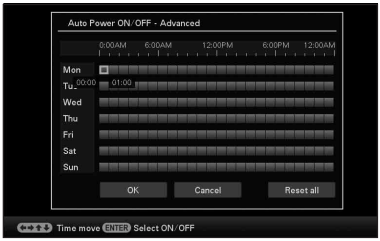


①Select an item for which you want to set the time.
Press ↓/↑ to select [Power-ON timer] or [Power-OFF timer] and press ·.
Then, press ↓/↑ to select [Enable] and press ·.

②Set the time at which you want to activate the Power-ON timer or Power-OFF timer.
Press ↓/↑ to select [Auto ON time] or [Auto OFF time] and press ·.
Press ←/→ to select the hour or minute, press ↓/↑ to set the hour or minute, and press ·.

③Set the day of the week on which you want to activate the timer.
Press ↓/↑ to select [Auto ON day] or [Auto OFF day] and press ·.
Press ↓/↑ to select the day on which you want activate the timer and press · to make it checked.
Press ↓/↑ to move the cursor to [OK] and press ·.

[Advanced]



①Press ←/→/↓/↑ to select the time you want to use the auto power on/off function.
You can set this function according to a day of the week by one hour units.
The color of the selected time zone changes to blue after you press ·. The power supply of this unit will be turned on when the blue time zone time occurs.
The color of the selected time zone changes to gray, after you select the blue time zone and then press ·. The power supply of this unit is turned off while it is in the gray time zone.

Tips

- This unit automatically turns off at the auto power off time even when in use, except during printing.
  The power is turned on automatically at the time you set for [Power-ON timer] during the standby mode.

②Press ←/→/↓/↑ to select [OK] and then press ·.

[Auto off]

①Press ↓ to select [Time Setting] and press ·.

②Press ↓/↑ to select [2 hour] or [4 hour] and press ·.

6 Press MENU.

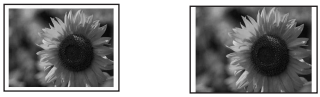
Enjoy various printing (advanced printing)

Printing in various ways

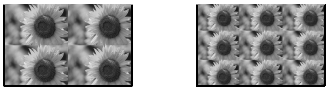
Changing print settings (Date Print,Borders,Pages Per Sheet)

Date Print (Print date)

Borders (With border)



Pages Per Sheet



1 Press MENU.

2 Press ←/→ to select the (Settings) tab.

3 Press ↓/↑ to select [Print Settings] and press ·.

4 Press ↓/↑ to select an item you want to change and press ·.

5 Press ↓/↑ to select the setting value and press ·.
The set value is confirmed. (page 65)

Tips

- When the print setting is set to [Date Print], [Pages Per Sheet] and [Borders], printing is only enabled when the image is displayed in single view mode (page 36).
- This section describes only [Date Print], [Borders] and [Pages Per Sheet] patterns.
- You can select any images from a memory card or the internal memory and print them as a Layout print. (page 57)

Performing “Creative Print”

(Calendar/Layout print/ID Photo)

What is “CreativePrint”?

You can edit images in a memory card or the internal memory and create a calendar, layout print or ID photo.

1 Press MENU.

2 Press ←/→ to select the (Editing) tab.

3 Press ↓/↑ to select [Creative Print] and press ·.
The Creative Print menu is displayed.

Tips

- You can press MENU while performing Creative Print and set part of the print setup menu items.

To undo the operation midway

Press BACK. The window of the previous step is displayed. Depending on the step, you may not be able to undo the operation.

To exit the Creative Print menu

Do the following steps.

①Press MENU and press ←/→ to select the (Editing) tab.

②Press ↓/↑ to select [CreativePrint Complete] and press ·.

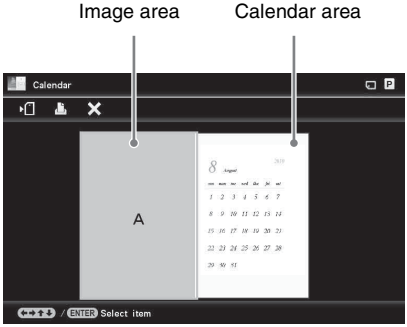
Tips

- You can also exit the Creative Print menu by pressing ←/→/↓/↑ to select and then pressing · on the preview screen. The dialog box for saving an image may be displayed.

Making a Calendar

1 From the Creative Print menu, press ←/→/↓/↑ to select (Calendar), then press ·.
The window used for selecting the calendar template is displayed.

2 Press ←/→/↓/↑ to select the desired template, and then press ·.
The preview of the selected template is displayed.



Tips

- You can select and set an image area or calendar area in any order.

3 Select an image.
When you select a template with multiple images, select an image for each area.

①On the calendar template preview screen, press ←/→/↓/↑ to select an image area and press ·.
The image selection screen appears.

②Press ←/→/↓/↑ to select an image and press ·.
The image edit screen appears.

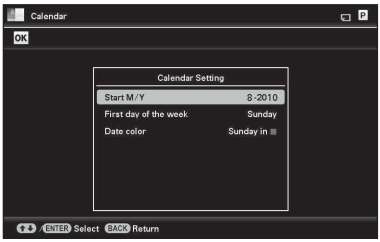
4 Edit the image.
For details on how to edit an image, see page 58.

5 Adjust the image.
For details on how to adjust an image, see page 59.

Continued

6 Set the calendar.

①On the calendar template preview screen, press ←/→/↓/↑ to select the calendar area and press ⊹.
The calendar setting window is displayed.



②Press ↓/↑ to select the item that you want to set, and then press ⊹.

Item	Description
Start Y/M	Set the first month and the year starting the calendar. Press ←/→ to select the month or year and press ↓/↑ to set the number. Press ⊹.
First day of the week	Set the day of the week (placed furthest left in the calendar). Press → and then ↓/↑ to select [Sunday] or [Monday]. Then press ⊹.
Date color	Set the color of Sunday and Saturday to be displayed in the calendar. Press → and then ↓/↑ to select the desired color for Sunday and Saturday. Then press ⊹.

A calendar is displayed in the calendar area of the image preview screen.

7 Press ↓/↑ to select OK and press ⊹.
The image preview screen appears.

8 Press PRINT.
Operate by following the instructions on the screen.

Tips

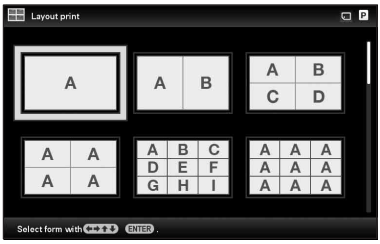
- You can save the created calendar data. See page 59.

Making a Layout print

The following layouts are available.

- 1/2/4/9/13/16 photos per page

1 From the Creative Print menu, press ←/→/↓/↑ to select (Layout print), then press ·.
The Layout print templates are displayed.



2 Press ←/→/↓/↑ to select the desired template, then press ·.
The preview of the selected template is displayed

3 Select an image.
When you select a template with multiple images, select an image for each area. For details on how to select an image, see step 3 on page 55. When you select image(s), the adjustment screen appears.

4 Edit the image.
For details on how to edit an image, see page 58.

5 Adjust the image.
For details on how to adjust an image, see page 59.

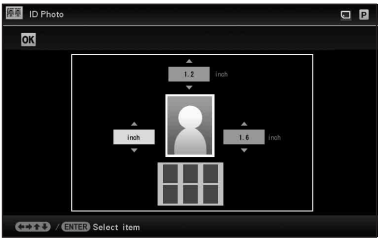
6 Press PRINT.
Operate by following the instructions on the screen.

Tips

- You can save the layout. See page 59.

Making an ID Photo

1 From the Creative Print menu, press ←/→/↓/↑ to select (ID Photo), then press ·.
The window used for setting the height and width of an ID photo is displayed.



Tips

- You can set a maximum size of 7.0 (width) cm × 9.0 (height) cm.

2 Press ←/→/↓/↑ to select the item that you want to adjust, and press ·.

- To specify the unit:
  Select the text box at the left of the photo. You can select either [cm] or [inch].
- To specify the height:
  Select the figure box at the right of the photo.
- To specify the width:
  Select the figure box in the upper of the photo.

3 Press ↓/↑ to set the size or unit and then press ·.
The layout image of the selected size is displayed.

4 If you want to specify the other items, repeat steps 2 and 3.

5 Press ←/→/↓/↑ to select OK and press ·.
The window for selecting an image is displayed.

Continued

6 Select an image.
For details on how to select an image, see step 3 on page 55. When you select image(s), the adjustment screen appears.

7 Edit the image.
For details on how to edit an image, see next topic.

8 Adjust the image.
For details on how to adjust an image, see page 59.

9 Press PRINT.
Operate by following the instructions on the screen.

Tips

- You can save the created ID photo. See page 59.

Notes

- An ID photo print using this unit may not be acceptable to be used for an identification card or passport. Please check the requirements for the photo to be used in the certificate before you submit the card or passport.

Editing an image

You can edit an image on the image edit screen.

Image editing screen for (Calendar)

1 Press ↓/↑ to select the desired editing items and press ⊹.

Items	Description
⊖/⊕	Reduces or enlarges an image.
✋	Moves an image by ←/→/↓/↑. Pressing ⊹ confirms the position.
	Rotates an image 90 degrees clockwise.
	Enters image quality adjustment mode. For details, see page 59.
B W	Changes an image from color to monochrome.

2 Press ↓/↑ to select [OK] and press ⊹.
The image preview screen appears.

Adjusting an image quality

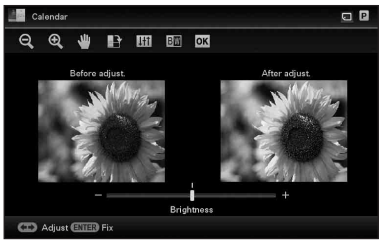
1 On the image edit screen, press ←/→ to select [Adjust] and press ⊹.

The image quality adjustment menu is displayed.

2 Press ↓/↑ to select the desired adjustment tool and press ⊹.

The adjustment screen of the selected tool appears.

When [Brightness] is selected.



Press ←/→ to adjust an image while checking the level.

The image before adjustment is displayed on the left half of the screen, and the adjusted image is displayed on the right.

Items	Description
Brightness	Press → to brighten the picture or ← to darken it.
Tint	Press → to make the picture greenish or ← to make it reddish.
Saturation	Press → to deepen the colors or ← to lighten them.
Sharpness	Press → to sharpen the outlines or ← to soften them.

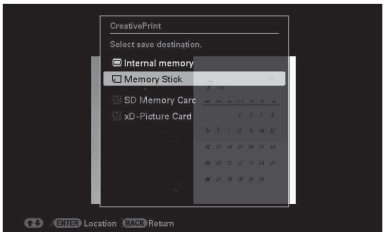
3 Press ⊹.

The adjustment takes effect.

Saving an image

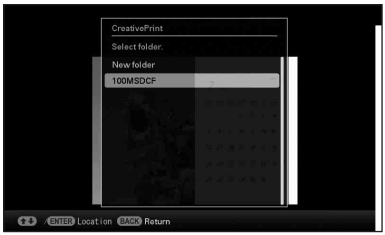
1 Press ←/→ to select ▶ on the image preview screen and press ⊹.

Calendar preview screen



The destination selection screen appears.

2 Press ↓/↑ to select a device to export the image to and press ⊹.



3 Press ↓/↑ to select the folder you want to save and press ⊹.

Tips

- If you select [New folder], a new folder is created automatically.

4 Press ⊹ on the confirmation screen.

Tips

- The previous image is not overwritten.

Notes

- Do not turn this unit off or remove a memory card while saving the image.
  Doing so may damage this unit or the memory card or corrupt the data.

Performing Batch Print

(Index Print/DPOF Print/Print All)

- **Index Print**
  You can print a list (index) of all the images stored in a memory card or this unit's internal memory which allows you to check the contents of the selected media easily. The number of split panes on a sheet will be calculated automatically. Images are printed in each split pane.

- **DPOF Print**
  The images which are DPOF (Digital Print Order Format) preset for printing are displayed with the print mark (🖹) in an image preview. You can print those images at one time. The images are printed with the preset number of copies in the order they were displayed.
- **Print All**
  You can print all the images stored on a memory card or in the internal memory.

Notes

- Only selected images are displayed during sort.
- For how to preset images for printing, refer to the manual of your digital camera.
- Some types of digital cameras do not support the DPOF function, or this unit may not support some of the functions of the digital camera.

1 Press MENU.

2 Press ←/→ to select the (Editing) tab.

3 Press ↓/↑ to select [Batch Print] and press ·.
The Batch Print menu is displayed.

4 Press ↓/↑ to select [Index Print], [DPOF Print], or [Print All] and then press ·.
The confirmation dialog box is displayed.

Notes

- If there are no DPOF preset images when you select [DPOF Print], an error message will be shown.

5 Press ←/→ to select [Yes] to start printing or [No] to cancel printing, and then press ·.
When you select [Yes], printing starts.

Changing the settings

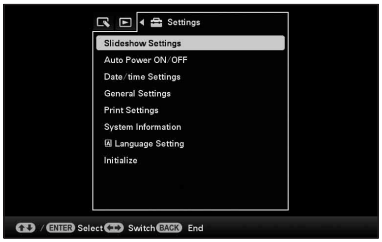
You can change the following settings.

- Slideshow Settings
- Auto Power ON/OFF
- Date/time Settings
- General Settings (Listing Order, Sony logo ON/OFF etc,.)
- Print Settings
- Language Setting
- Initialize

Setting procedure

1 Press MENU.

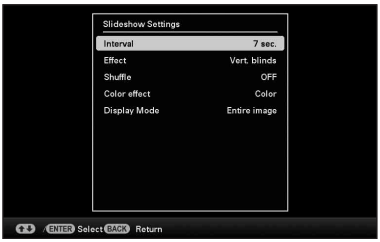
2 Press ←/→ to select the (Settings) tab.



Notes

- Only the (Settings) tab is available in the clock and calendar display mode.

3 Press ↓/↑ to select the item you want to change and then press ⊹.



For example, when [Slideshow Settings] is selected.

4 Press ↓/↑ to select the item you want to change and then press ⊹.
This enables you to set each of the items (page 63).

Notes

- When this unit is, for instance, displaying a slideshow, some settings of some items cannot be changed. They are shown in gray and cannot be selected.

5 Press ↓/↑ to select a setting value and then press ⊹.
Each time you press ↓/↑, the setting value changes. In the case of a numerical value, press ↑ to increase the value and press ↓ to decrease the value.
If you press ⊹, the setting is confirmed.

6 Press MENU.
The menu closes.

Continued

To reset to factory default settings

1. Press MENU and then ←/→ to select (Settings) tab.
2. Press ↓/↑ to select [Initialize] and press ·.
3. Press ↓/↑ to select [Initialize settings] and then press ·.
   All settings except for clock time and date are reset to the default settings.

Tips

You can also use the MENU button on this unit.

Items to set

Item	Setting	Description	
Slideshow Settings	See “Changing the settings of the slideshow” (page 40).		
Auto Power ON/OFF	Sets the timer function which turns the power supply of this unit on or off, automatically. You can use this function with the following settings. (page 51)		
	Simple	Sets the auto power ON/OFF function finely in one minute increments.	
		Power-ON timer	You can set the timer (time/day) and input time for the power to turn on automatically, when you set this function to enable.
		Power-OFF timer	You can set the timer (time/day) and input time for the power to turn off automatically, when you set this function to enable.
	Advanced*	Sets the auto power ON/OFF function according to a day of the week by one hour units. The following functions are enabled when you press the following buttons after you have set time or date to turn on or off this unit automatically.	
		OK	Returns to the previous screen after confirming the operation.
		Cancel	Returns to the previous screen after canceling the operation.
		Reset all	Deletes all the selected times.
Date/time Settings	Sets the date, time, first day of a week, etc. (page 24)		
General Settings	Listing Order	Sets the display order of images. This setting affects the order in [Slideshow Settings].	
		Number Order*	Displays images in order of image numbers.
		Shoot. Date	Displays images in order of shooting date.
	Auto display orientation	ON*/OFF: Enables or disables the function of automatically changing the image orientation according to the orientation of this unit.	
	LCD backlight	Allows you to set the brightness of the backlight of the LCD screen to a level from 1 to 10*.	

*: Factory default settings

Continued

Item	Setting	Description	
General Settings	Image import size	Resize*	When importing images from a memory card, this setting resizes the images and saves them to the internal memory. You can save more images, but deterioration in image quality compared to the original images is noticeable when the images are displayed on a large monitor via a computer or other device.
		Original	Saves images to the internal memory without compressing them. There is no deterioration, but you can save fewer images.
	Sony logo ON/ OFF	ON*/OFF: You can set whether this unit's Sony logo lights or not.	
Language Setting	Sets the display language on the LCD screen. Japanese/English*/French/Spanish/German/Italian/Russian/Korean/Simplified Chinese/ Traditional Chinese/Dutch/Portuguese/Arabic/Persian/Hungarian/Polish/Czech/Thai/Greek/ Turkish/Malay/Swedish/Norwegian/Danish/Finnish **Notes** • Default language setting may vary in some regions.		
Initialize	Format internal memory	You can format the internal memory. **Notes** • All the images imported to the internal memory will be deleted. • Do not format the internal memory by using a connection to a computer.	
	Initialize settings	Returns all settings to their factory defaults except for the current date and time setting of the [Date/time Settings].	

*: Factory default settings

Item	Settings	Description	
Print Settings	Date Print	Date/Time Date	Prints an image with the date and time of shooting when the image is recorded according to the DCF (Design rule for Camera File system) format and the date and time of shooting is recorded as part of shooting information. You can select [Date] or [Date/Time].
		OFF*	Prints an image without the date and time.
	Borders	Border 1/ Border 2	Prints an image with borders around the image. To print an image without being cut, select [Border 1]. To leave almost-equal borders in the top, bottom, right and left around an image, select [Border 2]. Notes • When you select [Border 2], the top and bottom edges or right and left edges may be trimmed and printed depending on the image.
		Borderless*	Prints an image without blank space around the image. Notes • When printing a standard 4:3 picture shot by a digital camera, the top and bottom edges of the image are cut and it is printed as a 3:2 picture.

*: Factory default settings

Continued

Item	Settings	Description	
Print Settings	Auto Fine Print7	ON*	The function automatically corrects the picture quality so that an image may be printed in more vivid, clear and beautiful pictures. It is especially effective for a darker image with low contrast. Not available when printing the following: • Pages Per Sheet (Page 54) • Index Print (Page 60) • Slideshow Print other than Single view (Page 36) • CreativePrint (Page 55) **Notes** • The original image data is not corrected. • When printing in PC mode, the Auto Fine Print7 setting with the printer driver has priority over the setting here.
		OFF	Prints an image without any corrections.
	Pages Per Sheet	4-split/ 9-split/ 16-split	Prints the specified numbers of split screens, with each screen an image is placed.
		OFF*	Prints an image without split screens.
	Color Setting	Adjusts the colors and sharpness of a print. Press ←/→ to select a color element ([R] (red), [G] (green), or [B] (blue)) or [S] (Sharpness), and then press ↓/↑ to set the level. You can set the levels for R, G, B in the range from +4 to –4 and for S in the range from +7 to 0. **R:** Adjusts the red and blue elements. The higher you set the level, the more reddish the picture becomes as if it receives red light. The lower you set the level, the darker the picture becomes as if light blue is added. **G:** Adjusts the green and purple elements. The higher you set the level, the more greenish the picture becomes as if it receives green light. The lower you set the level, the darker the picture becomes as if red purple is added. **B:** Adjusts the blue and yellow elements. The higher you set the level, the more bluish the picture becomes as if it receives blue light. The lower you set the level, the darker the picture becomes as if yellow is added. **S:** The higher you set the level, the more distinct the outlines become. (*R: 0/G:0/B:0/S:0)	

*: Factory default settings

Connecting to a computer lets you do even more

Using with a computer
Using the internal memory of this unit
Printing from a computer

What you can do when connected to a computer

Connecting this unit to a computer lets you use the following two functions. For details on mode selection, see page 70.

Using the internal memory of this unit ([Use internal memory])

You can browse the internal memory of this unit on the computer. You can also copy images from the computer to the internal memory and list them on this unit.

Printing from a computer ([Print])

You can print images on the computer from this unit. Before printing for the first time, you need to install the supplied software.

System requirements

Using as an internal memory

To use this unit as an internal memory, your computer must meet the following recommended system requirements.

■ Windows

Recommended OS: Microsoft Windows 7/ Windows Vista SP2/Windows XP SP3

Port: USB port

■ Macintosh

Recommended OS: Mac OS X (10.4 or later)

Port: USB port

Notes

- If multiple USB devices are connected to a computer or if a hub is used, a problem may occur. In such a case, simplify the connections.
- You cannot operate this unit from another USB device being used simultaneously.
- Do not disconnect the USB cable during data communication.
- Operation with all computers that satisfy the recommended system requirements is not guaranteed.
- This unit has been demonstrated as operable when connected to a computer. When other devices are connected to this unit, these devices may not recognize the internal memory of this unit.

When printing

To use the supplied printer driver and PMB (PictureMotionBrowser), you need a computer that meets the following system requirements:

Recommended OS[*1][*2]:	Microsoft Windows Vista SP2 / Windows XP SP3
CPU:	Pentium III 500 MHz or faster (Pentium III 800 MHz or faster is recommended.)
RAM:	256 MB or more (512 MB or more is recommended.)
Hard disk space:	500 MB or more (Depending on the Windows version you are using, more space will be required. To handle image data, you will need additional hard disk space.)
Display setting:	Screen resolution: 1024 dots × 768 dots or more Screen colors: High Color (16-bit) or greater

[*1] The printer driver is not guaranteed on Windows 2000 and cannot run on Windows ME or earlier or on Macintosh.

[*2] PMB does not support on Windows 2000 or earlier operating systems / Windows Vista Starter Edition / Windows XP 64-bit and Starter Edition / Macintosh.
PMB runs in a 32-bit compatibility mode on Windows Vista 64-bit edition.

Connector: USB connector

Drive: CD-ROM drive (to be used for software installation)

Notes

- If a hub is used to connect this unit and your computer, or if two or more USB devices, including other printers, are connected to your computer, a problem may occur. In such a case, simplify the connections between your computer and this unit.
- You cannot operate this unit from another USB device being used simultaneously.
- Do not disconnect the USB cable from or connect it to this unit during data communication or printing.
- This unit does not support standby, sleep, and hibernation modes and restarting from those modes. Do not allow the computer connected to this unit to switch to one of those modes during printing. If you do so, printing may be failed.
- When printing is failed, remove a USB cable and then connect it, or restart your computer. Then try printing again.
- Operation with all computers that satisfy the recommended system requirements is not guaranteed.
- PMB supports DirectX technology and DirectX installation may be required.
  DirectX is available on the CD-ROM.
- If the PMB is installed on a computer on which the Cyber-shot Viewer is already installed, the Cyber-shot Viewer will be overwritten and replaced by the PMB. The browsing folders once registered in the Cyber-shot Viewer will be automatically registered in the PMB.

Before connecting to a computer

You need to prepare beforehand, depending on how you connect this unit to the computer.

Using the internal memory of this unit

You do not need to prepare before connecting.

Printing (for the first time)

The first time you connect this unit to a computer to print, you must first install the supplied printer driver.

For the printer driver installation method, see page 73.

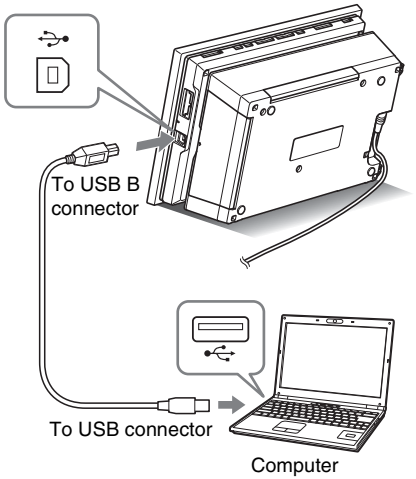
Printing (from the second time onwards)

You do not need to prepare before connecting.

Connecting to a computer

1 Connect this unit to the AC power source. (page 22)

2 Connect the computer and this unit with a commercially available USB cable.



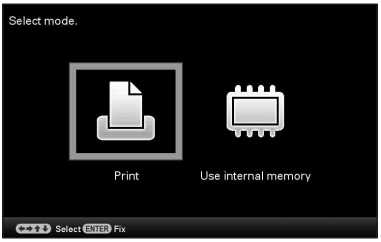
Notes

- Use a USB cable with a B-type plug (for the USB B connector of this unit) shorter than 3 meters.

3 Turn this unit on. (page 23)

Selecting the function of this unit

1 Turn your computer on.
The PC mode selection screen appears on the LCD of this unit.



Tips

- If the computer is already switched on, the mode selection screen is displayed when this unit is connected to the computer.

2 Press ←/→ to select [Use internal memory] or [Print] and then press ⊹.
For how to use the various functions, see the following pages.

- [Use internal memory] → page 71
- [Print] → page 73

The first time you select [Print], install the supplied printer driver before pressing the ⊹ button. (page 73)

Tips

- If you disconnect this unit from your computer and reconnect it, the PC mode selection screen appears and you can change the mode.
  For details on how to disconnect this unit from your computer, see page 72.

Notes

- The dialog boxes shown in this section are from Windows Vista, unless otherwise specified. The installation procedures and the dialog boxes shown differ depending on the operating system.

Copying an image from your computer to this unit

You can connect to a computer to view and copy images from the internal memory of this unit to the computer, and copy images from the computer to this unit.

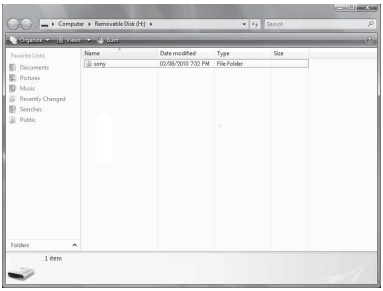
Note

- When copying an image from your computer to this unit, the image will not be resized and stored in the original size.
  If you want to save the resized image, import it from a memory card.

1 On the PC mode selection screen of this unit, press ←/→ to select [Use internal memory] and then press ·.

2 When the “Auto Play” window appears on the computer display, click “Open folder to view files”.
If the “Auto Play” window does not appear, click “Computer (My Computer)” in the Start menu, and then open the removable disc.

3 Move the cursor in this window and right click, and then click “New” - “Folder”.
Name this new folder. In this manual, the folder name “sony” is used as an example.



4 Double click to open this “sony” folder.

5 Open the folder that contains the image files you want to copy, and then copy the image files by using drag-and-drop.

Notes

- When saving images from a computer in the internal memory, make a folder in the internal memory and save the images in this folder. If you do not make a folder, you can only save up to 512 images. In addition, the number of images may be reduced depending on the file name length or character type.
- A particular image may not be displayed in order of the shooting date on the index image display, etc as the information on the shooting date may have been changed or lost when you edited or saved that image file on a computer.
- Image files made or edited on a computer may not be displayed. Image files set to “Read Only” on a computer cannot be deleted on this unit. Cancel “Read Only” before saving image files from a computer on this unit.

Disconnecting your computer

Disconnect the USB cable or turn this unit off after disconnecting it from your computer.

1 Double-click (Disconnect) on the Task Tray of your computer.

2 Click (USB Mass Storage Device) → “Stop”.

3 Click “OK” after checking the drive you want to remove.

Tips

• When using [Print], you do not need to do this step.

Printing an image from your computer

Notes

- Installation of the software is required only when you connect this unit to your computer for the first time.

You can print the images from a computer by installing the supplied software on your computer and connecting it to this unit.

This section explains how to install the supplied software on your computer and how to use the supplied PMB (Picture Motion Browser) software to print an image.

Please also refer to the operating instructions supplied with your computer for information on operating the computer.

On the supplied CD-ROM

The supplied CD-ROM contains the following software:

- Printer driver for the DPP-F800:
  The software describes this unit's requirements and enables printing from the computer.
- PMB (Picture Motion Browser):
  Sony's original software application that allows you to handle photographs and moving images—this includes capturing, managing, processing, and printing.

Installing the software

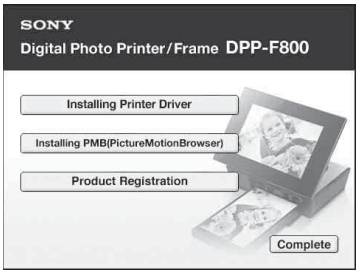
Installing the printer driver

Follow the procedures below to install the driver.

Notes

- Do not connect this unit to the computer before installing the driver.
- Please log on to Windows using a "Computer administrator" user account.
- Be sure to close all running programs before installing the software.

1 Turn your computer on, start Windows, and insert the supplied CD-ROM into the CD-ROM drive of your computer.
The installation window is displayed.



Notes

- If the installation window is not displayed automatically, double-click the "Setup.exe" file on the CD-ROM.
- In Windows Vista, the AutoPlay window may appear. Even if this occurs, select "Setup.exe" execution and install the driver according to the instructions on the screen.

2 Click "Installing Printer Driver."
The "InstallShield Wizard" dialog box is displayed.

Continued

3 Click “Next.”
The license agreement dialog box is displayed.

4 Read the agreement thoroughly, and if you agree, check “I accept this agreement” and click “Next.”

Tips

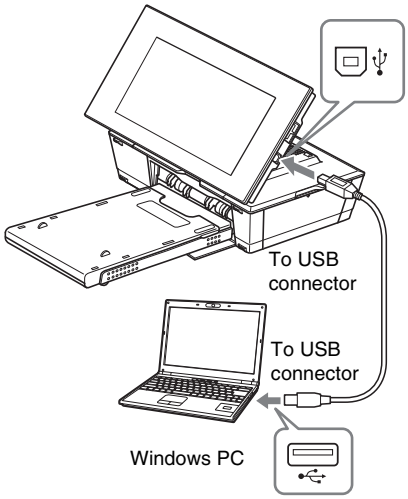
- When an older version of the printer driver has been installed on your computer, the message “Older version of the printer driver has been found.” may appear on the screen. Click “Yes,” and follow the displayed instructions to restart your computer. Then, perform the installation procedures again. After the computer is restarted, the older version of printer driver will be deleted. If you install the new version of printer driver, you can use the new version of printer driver.

5 Click “Install.”
Installation starts.

6 When the “Sony DPP-F800 printer driver has been successfully installed.” dialog is displayed, click “Finish.”

7 Press the ⏻ (on/standby) button to turn on this unit.

8 Connect the USB connectors of this unit and your computer with the USB cable.

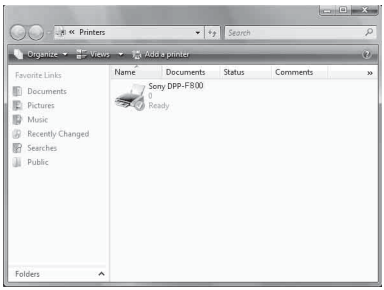


Notes

- Use a USB cable with a B-type plug (for the USB B connector of this unit) shorter than 3 meters.

9 On the mode selection screen of this unit, press the ←/→buttons to select [Print] and press the ⊹ button.

10 Wait for a while, then check to see that “Sony DPP-F800” has been added to the “Printers” or “Printers and Faxes.”



11 When the installation is complete, remove the CD-ROM from your computer and keep it for future use.
To continue the process and install the PMB software, follow the procedures from step 2 on page 76.

Notes

- If the installation fails, remove this unit from your computer, restart your computer, and then follow the installation procedures from step 1 again.
- After installation, the “Sony DPP-F800” is not yet set as the default printer. Set the printer you use for each application.
- The supplied CD-ROM will be required when you uninstall or re-install the printer driver. Keep it for possible future use.
- Before you use this unit, read the Readme.txt file (the README folder of the CD-ROM → English folder → Readme.txt).

When the software is installed

The icon is displayed on the Windows desktop, as well as a shortcut to the web site for printer customer registration. After you finish registration, you can find support information at: http://www.sony.net/registration/di/

Uninstalling the printer driver

When the printer driver becomes unnecessary, please follow the procedures below to remove the printer driver:

①Disconnect the USB cable from this unit and the computer.

②Insert the supplied CD-ROM into the CD-ROM drive of your computer.
The installation window is displayed.

Notes

- If the installation window is not displayed automatically, double-click the “Setup.exe” file on the CD-ROM.

③Click “Installing Printer Driver.”
The “InstallShield Wizard” dialog box is displayed.

④Click “Next.”
The license agreement dialog box is displayed.

⑤Read the agreement thoroughly, and if you agree, check “I accept this agreement” and click “Next.”
The confirmation dialog box used for removing the software is displayed.

⑥Click “Yes.”
The confirmation dialog box used for restart is displayed.

⑦Check “Yes, I want to restart my computer now” and click “OK.”
After the computer is restarted, the relevant files will be deleted and uninstallation is complete.

Installing the PMB (Picture Motion Browser)

Follow the procedures below to install the PMB.

Notes

- Please log on to Windows using a “Computer administrator” user account.
- Be sure to close all running programs before installing the software.

If you have already installed one or more versions of PMB on your computer, check the version of the installed PMB. (Click [Help] on the menu bar of the PMB, and select [About Picture Motion Browser]. The version information is displayed.)

Compare the version number of the supplied CD-ROM with that of the previously installed PMB, check to ensure that the versions have been installed in order, from the older to the newer. When the computer you are using has a newer version of PMB already installed, uninstall that version first, then reinstall both versions, starting with the older one first. If you install the newer version first, some functions of PMB may not operate correctly.

1 Turn your computer on, start Windows, and insert the supplied CD-ROM into the CD-ROM drive of your computer.
The installation window is displayed (page 73).

Continued

2 Click “Installing PMB (Picture Motion Browser)” and follow the screen instructions to set your region and language.
The license agreement dialog is displayed.

3 Read the agreement thoroughly, and if you agree, check “I accept the terms of the license agreement” and click “Next.”
After you click “Next” in the license agreement dialog, the dialog box notifying you that the program is ready to installed is displayed.

4 Select “Install” and follow the screen instructions to proceed with installation.
When you are prompted to restart your computer, follow the displayed instructions to restart it.

5 When the installation is complete, remove the CD-ROM from your computer and keep it for future use.

Notes

- If the installation fails, perform the installation procedures from step 2 again.
- The supplied CD-ROM will be required when you uninstall or re-install the PMB. Keep it in a safe place for possible future use.

Uninstalling the PMB

When this software is no longer needed, remove it from your computer as follows:

①Click “Start” - “Control Panel.”
The Control Panel is displayed.
②Click “Uninstall a program.”
Depending on the operating system, it may be called “Programs and Features” or “Add or Remove Programs.”
③Select “PMB” and click “Change/Remove.”
The software uninstallation process starts.

Printing photos from a computer

Printing from the PMB (Picture Motion Browser)

You can use the PMB to print an image from your computer.

1 Press ←/→ to select [Print] on the PC mode selection screen of this unit and then press ⊹.

2 Start the PMB window using either of the following methods:
- Double-click (PMB) on the Windows desktop.
- Click “Start” - “All Programs” - “PMB.”

When the PMB is started for the first time, its initial setting screen is displayed.

For how to register images saved in a folder other than the “Pictures” folder, see “Registering a browsing folder” on page 80.

Tips

- In Windows XP, please read “Pictures” as “My Pictures.”

How to access the “Pictures” folder

Click “Start” - “Pictures” from the taskbar.

The main window of the PMB is displayed.

In main window, there are the following two different views. To switch the view, click the “Calendar” or “Index” tab in the bar above.

- **“Calendar” view**

  The images will be classified according to the shot date and are displayed as thumbnails on each date of the calendar. In “Calendar” view, you can switch the display by year, by month, or by hour.

- **“Index” view**

  The images will be classified in each registered folder and are displayed as thumbnails.

In this section, “Index” view windows are used as examples.

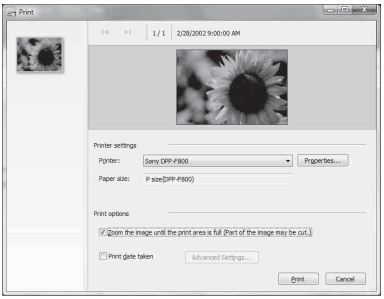
3 Click the folder containing the photos you want to print.

As an example, the “sample” folder is selected in the following explanation.

4 Select the photos that you want to print and click (print).

The Print dialog box is displayed.

5 In the “Printer” drop-down list box, select “Sony DPP-F800.” To set the paper orientation or other print options, go to step 6. To print, skip to step 11.



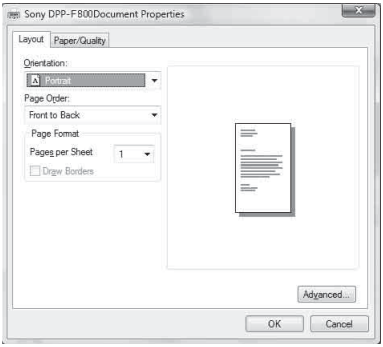
Items	Description
Printer	Select the printer you are using: “Sony DPP-F800”
Paper size	To change the size, click “Properties.” **Note:** In some regions, L size print paper is not sold.
Print Options	• Zoom the image until the print area is full: When checked, an image will be printed over the entire printing area of the paper. An edge of the photo may be cut. When unchecked, an image will be printed without cutting off any portions. • Print date taken: When checked, an image is printed with the date of shooting if the image is a file recorded in the DCF (Design rule for Camera File system) format.
Properties	Specifies paper size, orientation, picture quality and other details.

Continued

6 To set the paper orientation or other print options, click “Properties.”

The “Properties” dialog box of the selected printer is displayed. The printer driver of this unit utilizes the Universal Printer Driver, a Microsoft common printer driver. In the dialog boxes, there are some items that are not used within this unit.

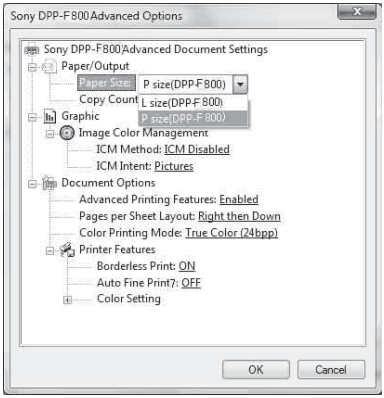
7 In the “Layout” tab, specify the paper orientation or other options.



Items	Description
Orientation	Select the orientation of an image when printed: • Portrait • Landscape
Page Order	Select the order of the pages when printed: • Front to Back • Back to Front
Pages Per Sheet	Specify the number of copies per sheet to be printed. Select “1.”
Advanced	Specifies the paper size or other options.

8 Click “Advanced.”

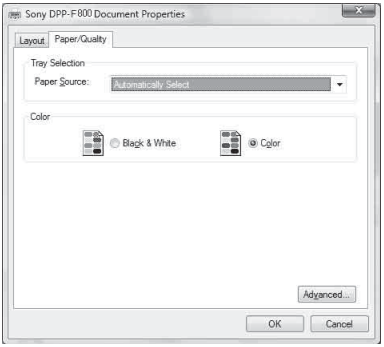
The “Sony DPP-F800 Advanced Options” dialog box is displayed.



Items	Description
Paper/ Output	• Paper Size: From the drop-down list box, select the paper size you actually use for printing: P size/L size **Note:** L size print paper is not sold in some regions. • Copy Count: Specify the number of copies to be printed.
Graphic - Image Color Management	• ICM Method: This unit does not support the ICM method settings. Even if you select an option other than “ICM Disabled,” the printed results will not reflect the setting. Leave the option as it is. • ICM Intent: This unit does not support the ICM Intent settings. Leave the option as it is.

Items	Description
Document Options	• Advanced Printing Features: Select “Enabled” to turn on advanced printing options such as “Page Order.” If a compatibility problem occurs, disable this feature. • Color Printing Mode: To print in colors, select “True Color (24bpp).” To print in monochrome, select “Monochrome.”
Printer Features	• Borderless Print: To print an image without borders, select “ON.” To print with borders, select “OFF.” Depending on the application software, an image will be printed with borders even if “ON” is selected. Set an image to be printed fully in the print range. • Auto Fine Print7: Select from “ON” or “OFF.” When you select “ON,” please select “ICM Disabled” for “ICM Method.” Unlike direct printing from a memory card, no Exif data is referred. • Color Setting: You can change R (red), G (green), B (blue), and sharpness settings. For details, see page 66.

9 On the “Paper/Quality” tab, specify the color or paper source.



Items	Description
Tray Selection	From the “Paper Source” drop-down list box, select “Automatically Select.”
Color	To print in colors, select “Color.” To print in monochrome, select “Black & White.”
Advanced	The “Sony DPP-F800 Advanced Options” dialog box is displayed (page 78). For details, see step 9.

10 Click “OK.”
The “Print” dialog box is displayed again.

11 Click “Print.”
Printing starts. For the details of the properties of the PMB, refer to the PMB help.

Notes

- You cannot print movies, BMP or RAW data.
- Set this unit in the print position to use it as a printer. It will not print in any other position. For details on the print position, see page 32.

Tips

- To select a series of still images in the image area of the main window, click the first image in the series and then click the last image while pressing the Shift key. To select multiple still images not in a sequence, click the images individually while pressing the Ctrl key.

Continued

- You can also print from single image display screen.
- To cancel the printing operation, do the following.
  ①Double-click on the printer icon on the taskbar, and open the “Print” dialog box.
  ②Click the document name that you want to cancel printing of and then click “Cancel” from the “Document” menu.
  The dialog box used for confirming the deletion is displayed.
  ③Click “Yes.”
  The printing job is canceled.

Notes

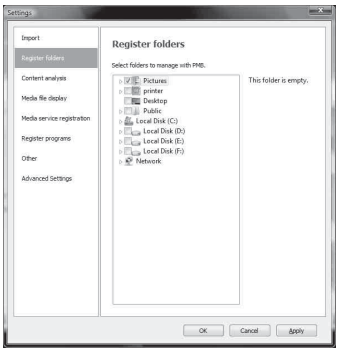
- When you cancel a job, you cannot stop the page currently being printed.

Registering a browsing folder

PMB does not allow you to view images saved on the computer hard disk directly. You must first register the browsing folder as follows:

1 Click “File”-“Register Viewed Folder.”
The “Register Folders to View” dialog box is displayed.

2 Select the folder you want to register and then click “Apply” and “OK.”



Notes

- You cannot register the whole drive.

The confirmation dialog box used for registration is displayed.

3 Click “Yes.”
Registration of the image information in the data base starts.

Notes

- The folder you select as the destination of the imported images will be registered automatically.
- You cannot cancel registration of the folder you register here.

To change the browsing folder

Repeat steps 1 to 3.

Tips

- If a sub folder is contained in the source folder, the images in the sub folder will also be registered.
- When the software is first started, a message prompting you to register “Pictures” will be displayed.
- Depending on the number of images, it may take some tens of minutes to register images.

Printing from a commercially available software application

You can use a commercially available software application to print an image from the DPP-F800. Select “DPP-F800” as a printer in the print dialog box, and select the print paper size in the page setup dialog box. For details of print settings, see steps 6 and 7 on page 78.

On the “Borderless Print” setting in “Printer Features”

When using an application other than the PMB, an image might be printed with borders even if you select “ON” for “Borderless Print” in “Printer Features” of the “Sony DPP-F800 Advanced Options” dialog box.

When you select the borderless print option, the printing range information for borderless printing will be supplied to the application. Some applications, however, may arrange and

print the image with borders within the specified range.

If this occurs, do the following to print an image without borders:

- When you can set the print range with an application, set an image to be printed fully within the available print range. For example, if you print images using "Windows Photo Gallery" of Windows Vista, select "Full page photo print" and check "Fit picture to frame."

Orientation setting

Depending on the software application you use, orientation may not change even if you change portrait or landscape setting.

With the Borders/Borderless setting of the printer driver

When the software application you use has Borders/Borderless setting, we suggest you select "ON" for "Borderless Print" in "Printer Features" of the "Sony DPP-F800 Advanced Options" dialog box as the printer driver setting.

No. of prints setting

Depending on the software application you are using, the No. of prints setting of the application may have priority over the setting specified in the printer driver dialog box.

memo

Troubleshooting

Error messages
If trouble occurs
If the paper jams
Cleaning

Error messages

If an error occurs, one of the following error messages may be shown on the LCD screen of this unit. Follow the corresponding solution below to solve the problem.

Memory cards and internal memory

Error message	Meaning/Solutions
No Memory Stick. / No SD Memory Card. / No xD-Picture Card.	• A memory card is not inserted in a slot. Insert a memory card in the corresponding slot. (page 25)
An incompatible Memory Stick is inserted. / An incompatible SD Memory Card is inserted. / An incompatible xD-Picture Card is inserted.	• An unsupported memory card is inserted. Use a memory card that is supported by this unit.
No images on file.	• There is no image file that can be displayed on the screen of this unit on the memory card. Use a memory card containing image files that can be displayed with this unit.
Cannot delete a protected file.	• To delete a protected file, cancel the protection on your digital camera or computer.
Memory card is protected. Remove protection then try again.	• The memory card is write-protected. Slide the write-protect switch to the enable position. (page 100)
The Memory Stick is full. / The SD Memory Card is full. / The xD-Picture Card is full. /The internal memory is full.	• No more data can be saved because the memory card, or the internal memory is full. Delete images, or use a memory card with free space available.
Error reading the Memory Stick. / Error reading the SD Memory Card. / Error reading the xD-Picture Card./Error reading the iternal memory.	• In case of a memory card: An error has occurred. Check that the memory card is inserted correctly. If this error message is shown frequently, check the status of the memory card with a device other than this unit.
Write error on the Memory Stick. / Write error on the SD Memory Card. / Write error on the xD-Picture Card. / Write error on the internal memory.	• In case of the internal memory: Format the internal memory. Notes • Formatting deletes all image files imported to the internal memory.

Error message	Meaning/Solutions
The Memory Stick is read only.	• A “Memory Stick-ROM” is inserted. To save the images, use the “Memory Stick” recommended.
The Memory Stick is protected.	• A protected “Memory Stick” is inserted. To edit and save the images, use an external device to remove protection.
Memory card format not supported.	• In case of a memory card, use your digital camera or other device to format the memory card. • In case of the internal memory, format it with this unit. Notes • When you format the media, all the contained files will be deleted.

Image data

Error messages	Meaning/Solutions
Cannot open the image.	• This unit cannot display or open an image file whose format is not supported.
No DPOF file.	• There are no DPOF-preset image files in the memory card. Specify the print (DPOF) mark with your camera.

Ink ribbon

Error messages	Meaning/Solutions
No ink ribbon. Insert P size ink ribbon and press [PRINT].	• The ink ribbon is not inserted in this unit. Set the ink ribbon into this unit. (→page 33) If “cleaning cartridge” is shown, set the cleaning cartridge. (→page 97)
End of ink ribbon.	• Replace the current ink ribbon with a new ink ribbon. (→page 33)
End of ink ribbon. Insert P size ink ribbon and press [PRINT].	
Ink ribbon type incorrect. Insert P size ink ribbon and press [PRINT].	• Set an ink ribbon and print paper of the shown size. (→page 33)

Continued

Print paper

Error messages	Meaning/Solutions
No paper tray. Insert paper tray containing P size print paper and press [PRINT].	• There is no print paper in this unit. – The paper tray is not set in this unit. – The print paper is not set in the paper tray. – The print paper has run out. • In any case, set the print paper in the tray and set the paper tray into this unit. (→page 34)
No print paper. Set the print paper for the P Size and press [PRINT].	
No cleaning sheet. Set the cleaning sheet and press [PRINT].	• There is no cleaning sheet in the paper tray. Insert the cleaning sheet into the paper tray and set the paper tray into this unit. (→page 97)
Wrong print paper. Set the print paper for the P Size and press [PRINT].	• The print paper and ink ribbon do not match. Check the ink ribbon size actually loaded in this unit and set the print paper for the identical size. (→page 33, 34)
Paper jam. Remove print paper.	• Paper has jammed. See “If paper jams” (→page 96) and remove any jammed paper from this unit.

If trouble occurs

Before submitting this unit for repair, read the following suggestions. If the problem persists, consult with your Sony dealer or Sony service facilities.

Power supply

Symptom	Check item	Cause/Solutions
The power cannot be turned on.	• Is the power plug inserted properly?	→ Insert the power plug properly.

Displaying images

If you experience one of the following problems, check the table below: “No images are displayed while this unit is turned on,” “Unable to set the operation screen” or “Printing does not start even though the printer is turned on.”

Symptom	Check item	Cause/Solutions
No images are displayed on the screen.	• Is a memory card inserted properly?	→ Insert a memory card properly. (➞page 25)
	• Does the memory card contain images saved with a digital camera or other device?	→ Insert a memory card containing images. → Check the file formats that can be displayed. (➞page 103)
	• Is the file format compatible with DCF?	→ A file that is not compatible with DCF may not be able to be displayed with this unit, even if it can be displayed with a computer.
	• Is this unit in clock and calendar display mode?	→ Set this unit to other than clock and calendar display mode. (➞page 26)
Images are not displayed in the order of shooting date.	• Were these images saved from a computer? • Were these images edited on a computer?	→ The information on the shooting date may be changed or lost when you edit or save an image file on a computer.

Continued

Symptom	Check item	Cause/Solutions
Some images are not displayed or printed.	• Are the images displayed in the index view?	→ If the image is displayed in the index view but cannot be displayed as single image, the image file may be damaged even though its thumbnail preview data is fine. → A file that is not compatible with DCF may not be able to be displayed or printed with this unit, even if it can be displayed with a computer.
	• Does the mark displayed below appear in the index view? • Were the images created with an application on a computer?	→ If the mark shown on the left is displayed, the image file may not be supported by this unit because, for example, it is a JPEG file that was created with your computer. Also, the image file may be supported, but not contain thumbnail data. Select the mark and press -✦- to change the screen to single view mode, and if the image is displayed it can be printed. If the mark on the left is still shown even in single view mode, the image file is not supported by this unit and cannot be displayed or printed.
	• Does the mark displayed below appear in the index view? 	→ If the mark shown on the left is displayed, the image file is supported by this unit, but the thumbnail data or image itself cannot be opened. Select the mark and press -✦- to change the screen to single view mode, and if the image is displayed it can be printed. If the mark on the left is still shown even in single view mode, the image file is not supported by this unit and cannot be displayed or printed.
	• Are there more than 4,999 images stored in the internal memory or on the memory card?	→ This unit can play, print, save, delete, or otherwise handle up to 4,999 image files.
	• Did you rename the file with a computer or other device?	→ If you named or renamed the file on your computer and the file name includes characters other than alphanumeric characters, the image may not be able to be displayed on this unit.
	• Are there five or more levels in the folder hierarchy of the memory card?	→ This unit cannot display images saved in a folder that is more than five levels deep.

Symptom	Check item	Cause/Solutions
The file name is not displayed properly.	• Did you rename the file with a computer or other device?	→ If you named or renamed the file on your computer and the file name includes characters other than alphanumeric characters, the file name may not be able to be displayed properly on this unit.
In the Editing menu, there are blank areas at the top and bottom of the previewed image.	• Is the previewed image extremely stretched vertically or horizontally?	→ If an image is extremely stretched vertically or horizontally, blank areas may appear in the Editing menu. → The standard aspect ratio of an image shot with a digital camera is 3:4. When you use a device other than this unit to edit or save an image, it is saved as a more horizontal print image and its top and bottom edges will be cut and displayed in black.
The image does not automatically rotate when this unit is set to portrait orientation.	• Is the [Auto display orientation] setting of this unit set to [OFF]? • Does the rotation information on the image information display say [No Rotation]?	→ Set the [Auto display orientation] setting to [ON]. (→page 63) → If the rotation information says [No Rotation], you can rotate the image manually. (→page 51)

Saving and deleting images

Symptom	Check item	Cause/Solutions
Cannot save an image.	• Is the memory card write-protected?	→ Cancel write-protection and try saving again.
	• Is the write-protect switch of the memory card in the "LOCK" position?	→ Slide the write-protect switch to the enable position.
	• Is the memory card full?	→ Replace the memory card with one with sufficient free space. Or, delete any unwanted images. (→page 46)
	• Is the internal memory full?	→ Delete any unwanted images. (→page 46)
	• Did you save images from a computer to the internal memory without making a folder in the internal memory?	→ If you do not make a folder, you can only save up to 512 images. In addition, the number of images may be reduced depending on the file name length or character type. When you save images in the internal memory from a computer, be sure to make a folder in the internal memory and save the images in this folder.

Continued

Symptom	Check item	Cause/Solutions
Cannot delete an image.	• Is the memory card write-protected?	→ Use the device you are using to cancel write-protection and try deleting again.
	• Is the write-protect switch of the memory card in the "LOCK" position?	→ Slide the write-protect switch to the enable position.
	• Are you using a "Memory Stick-ROM"?	→ It is not possible to delete an image from or format a "Memory Stick-ROM".
	• Is this image protected?	→ Check the image information from the single view mode. (→page 16) An image with a mark is set to Read Only. You cannot delete it on this unit.
An image was deleted accidentally.	—	→ An image cannot be recovered once it is deleted.

Remote control

Symptom	Check item	Cause/Solutions
Nothing happens even if you operate the remote control.	• Is the battery inserted in the remote control properly?	→ Replace the battery. (→page 20) → Insert a battery. (→page 20) → Insert a battery in the proper orientation. (→page 20)
	—	→ Point the top end of the remote control towards the remote sensor on this unit. (→page 20) → Remove any obstruction between the remote control and the remote sensor.
	• Is the protective sheet in the remote control?	→ Pull the protective sheet out of the remote control. (→ page 20)

Printing

Symptom	Check item	Cause/Solutions
Paper does not feed.	• Is the print paper properly set in the paper tray?	→ If print paper is not properly loaded, this unit may develop trouble. (➞page 34) Check the following: • Insert the correct set of print paper and ink ribbon. • Load the print paper in the correct direction in the tray. • You can insert a maximum 20 sheets of print paper into the tray. If the sheets exceed 20, remove the extra sheets. • Riffle the print paper thoroughly and insert it into the tray. • Do not bend or fold the print paper before printing, as this may cause malfunctions of this unit.
	• Are you using print paper that was not designed for this unit?	→ Use print paper designed for this unit. If you use incompatible print paper, this unit may develop trouble. (➞About the Print Packs)
The print paper is ejected without being printed.	• Is the perforation of the print paper removed? • Are you using print paper that was not designed for this unit?	→ Use print paper designed for this unit. If you use incompatible print paper, this unit may develop trouble. (➞About the Print Packs)

Printed results

Symptom	Check item	Cause/Solutions
The printed pictures are inferior in quality.	• Did you print preview image data?	→ Depending on the type of digital camera used, preview images may be displayed along with the primary images in the thumbnail list. The printed quality of the preview images will not be as good as the primary images. Note that if you delete the preview images, the data for the primary images may be damaged.
	• Did you print an image whose size (width or height) is smaller than 480 dots?	→ When an image is displayed in a small size with a black frame, printing quality is rough due to this small image size.
	• Did you use the Editing menu to enlarge the image?	→ An enlarged image, depending on its image size, will be printed with deteriorated picture quality.

Continued

Symptom	Check item	Cause/Solutions
The picture quality and colors of the image previewed on the screen differs from those printed.	—	→ This is not a malfunction, but is caused by variations in the color reproduction system or LCD characteristics. Images are adjusted to best suit the color reproduction system and characteristics. You can change the image quality settings as follows. – MENU button - [Settings] - [Print Settings] - [Color Setting] (➞page 66) – Adjusting image quality is only available in the CreativePrint menu. For details, see page 59.
The printed image differs when an image is printed directly from the memory card and the internal memory, and when it is printed via a computer.	—	→ Because of the differences in this unit's internal processing and computer software processing, the printed images will be different.
The date cannot be printed.	• Is [Date Print] set to [Date] or [Date/Time]?	→ Press MENU button, select [Settings] and set [Date Print] in the Print Settings to [Date] or [Date/Time]. (➞page 65)
	• Does the image support DCF?	→ The Date Print function of this unit supports an image that is compatible with the DCF standards.
	• Are you printing in slideshow mode?	→ The layout of the LCD screen is printed as it appears, so the Date Print setting is invalid.
The date is printed unintentionally.	• Is [Date Print] set to [OFF]?	→ Press MENU button, select [Settings] and set [Date Print] in the Print Settings to [OFF]. (➞page 65)
	• Was the date saved with the image when it was shot with the digital camera?	→ When the date was saved with the image, you cannot make a print without a date.
The image cannot be printed fully in the print range. Borders remain.	• Did you select [Border 1] or [Border 2] for [Borders] in the Print setup menu?	→ Press MENU button, select [Settings] and set [Borderless] by selecting [Print Settings] - [Borders]. (➞page 65)
	• Is the aspect ratio of the image correct?	→ Depending on the type of digital camera used, the aspect ratio of the recorded image differs, so the image may not be printed covering the entire printable area.

Symptom	Check item	Cause/Solutions
Even though [Borderless] for [Borders] is selected in the Print Settings, the image is printed with borders on both sides.	• Are you printing in slideshow mode?	→ When printing in slideshow mode, the layout of the LCD screen is printed as it appears, so the Borderless Print setting is invalid.
	—	→ When you use a device other than this unit to edit or save an image, blank areas around an image are also saved as part of image data. Even if you print such data with the Borderless setting, you cannot eliminate the borders on both sides of a print. (➞page 65)
The whole area of an image cannot be printed.	• Did you set [Border 1] in the Print Settings?	→ You can print the whole area of an image by selecting [Border 1] in the Print Settings. (➞page 65)
The image is printed at an angle.	• Is the paper tray inserted properly?	→ Re-insert the paper tray firmly straight in to the end.
There are white lines or dots on the printed pictures.	—	→ The print head or paper path may be soiled. Use the supplied cleaning cartridge and sheet to clean the head and path. (➞page 97)
The picture is too bright, dark, reddish, yellowish, or greenish.	—	→ Adjust the image quality on the image quality adjustment screen. Adjusting the image quality is only available in the CreativePrint menu. For details, see page 59.

Settings

Symptom	Check	Cause/Solutions
The [Borderless] and [Border 1/2] setting does not take effect.	• Are you operating the CreativePrint menu?	→ In the CreativePrint menu, templates are used and you cannot select border/ borderless prints.

Connecting with a computer

Symptom	Check item	Cause/Solutions
The images on the memory card inserted to this unit are not displayed on the computer.	—	→ This unit does not provide the function for viewing the memory card images from the computer.

Continued

Symptom	Check item	Cause/Solutions
You lost the supplied CD-ROM and want to obtain a new one.	—	→ Please download the printer driver from the Customer support web site. Or contact your Sony dealer.
The printer driver cannot be installed.	• Are you sure that you have followed the installation procedures correctly?	→ Follow the procedures in the operating instructions to install the driver (→page 73). If an error occurs, restart your computer and do the installation procedures again.
	• Is another application program running?	→ Exit all applications and then install the driver again.
	• Did you specify the CD-ROM as the installation CD-ROM correctly?	→ Double-click “Computer (My Computer)” and then the CD-ROM icon in the open window. Follow the procedures in the operating instructions to install the driver.
	—	→ The USB driver may not be installed properly. Follow the operating instructions to install the USB driver again.
	• Is there an anti-virus program or other program running on the system?	→ If there is an anti-virus program or other program running on the system, exit it and then start installing the driver.
	• Did you log on using an Administrator user account?	→ To install the driver, log onto Windows using an Administrator user account.
This unit does not respond to the printing order from the computer.	—	→ If there is no trouble displayed on the Windows desktop, check this unit’s LCD screen. If this unit shows trouble, do the following: 1. Turn off the ⏻ (on/standby) button of this unit. 2. Disconnect the power cable, wait for 5 to 10 seconds, and then connect the cable again. 3. Restart your computer. If these do not solve the problem, consult with your Sony dealer or service facilities.

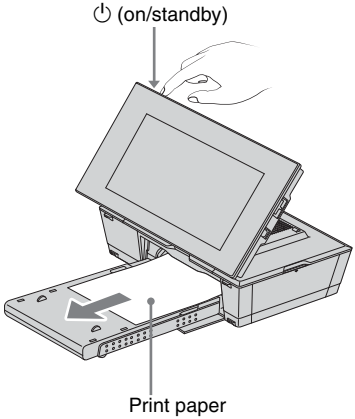
Symptom	Check item	Cause/Solutions
Even though "Borderless" is selected, the image is printed with borders.	• Are you using an application software other than PMB?	→ When using an application other than the PMB, an image might be printed with borders even if you select borderless print. When you can set border/borderless with an application, set an image to be printed fully in the print range even if it is printed over the range.
No. of prints specified in the "Pages Per Sheet" in the "Layout" tab of the "Sony DPP-F800 Properties" dialog box does not match the actual No. of prints and printed results.	—	→ Depending on the application you use, the No. of prints setting of the application you use may have priority over the setting specified in the printer driver dialog box.
Colors of the printed image from a computer are different from those printed from a memory card.	—	→ Since the process in printing an image from a memory card differs that in printing from a computer, the colors may not be exactly identical.
An error stating "Error was found while a document is output to the USB device." is displayed.	—	→ Disconnect the USB cable and then connect it again.

Others

Symptom	Check item	Cause/Solutions
You cannot insert the ink ribbon smoothly.	—	→ If the ink ribbon does not click into place, remove it and then re-insert it. Only when the ink ribbon is too slack to be loaded, remove the slack. (➡page 33)
The ink ribbon cannot be removed.	—	→ Turn this unit off using the ⏻ (on/standby) button and then turn it on again. After the sound of movement inside this unit stops, try to remove the ink ribbon. If this does not solve the problem, contact Sony service facilities or your Sony dealer.

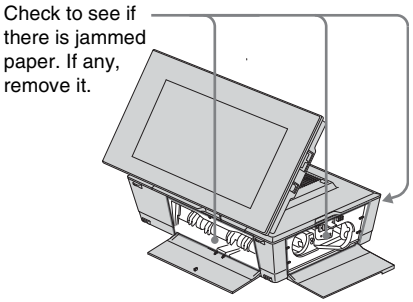
If the paper jams

1 Turn this unit off and then turn it on again.
Please wait for the print paper to be ejected automatically.



2 Remove the ejected print paper from this unit.

3 Remove the paper tray and ink ribbon from this unit and check to ensure if there is no jammed print paper inside.



Tips

- If you cannot remove the jammed paper, contact your Sony dealer.

Cleaning

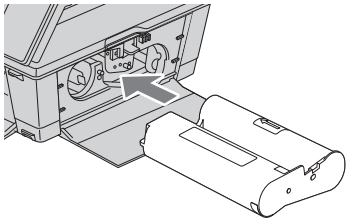
If white lines or period-like dots are printed on the pictures, the thermal transfer head may be soiled with the dust accumulated inside this unit.

Clean inside this unit using the supplied cleaning cartridge and sheet.

Before you start cleaning this unit, please remove any memory cards or USB cables from this unit.

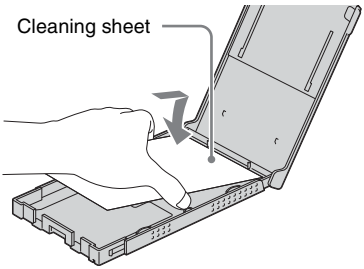
1 Open the ink ribbon compartment door and if there is an ink ribbon inserted, remove it.

2 Insert the supplied cleaning cartridge into this unit and close the ink ribbon compartment door.



3 Remove the paper tray from this unit. If there is print paper in the tray, remove it.

4 Place the cleaning sheet into the paper tray **with the no-imprint side facing up.**



5 Set the paper tray into this unit and press PRINT.

The cleaning cartridge and cleaning sheet will clean inside this unit. After the cleaning is finished, the cleaning sheet is automatically ejected.

6 Remove the cleaning cartridge and sheet from this unit.

Tips

- Keep the cleaning cartridge and cleaning sheet together for future cleaning. Be careful not to lose them.

Notes

- If you already enjoy proper printing performances, cleaning will not improve the printed picture quality.
- Do not place the cleaning sheet on top of print paper and carry out cleaning, as this may cause a paper jam or other troubles.
- If a cleaning does not improve printed picture quality, please carry out the cleaning process a couple of times.
- You cannot clean this unit while it is connected to a computer.

memo

Miscellaneous

Additional information

About the Memory Cards

“Memory Stick” media

Types of “Memory Stick” media that this unit can use

With this unit, you can use the following types of “Memory Stick” media.[*1]

Type of “Memory Stick” media	Displaying/ Printing/Deleting/ Saving
“Memory Stick” media[*2] (Not compatible with “MagicGate”)	OK
“Memory Stick” media[*2] (“MagicGate” Compatible)	OK[*5]
“MagicGate Memory Stick” media[*2]	OK[*5]
“Memory Stick PRO” media[*2]	OK[*5]
“Memory Stick PRO-HG” media[*2]	OK[*5*6]
“Memory Stick Micro” media[*3](“M2”[*4])	OK[*5]

[*1] This unit supports FAT32. This unit has been demonstrated as operable with a “Memory Stick” media with a capacity of 32GB or less manufactured by Sony Corporation. However, we do not guarantee the operations of all the “Memory Stick”.

[*2] This unit is equipped with a slot compatible with both standard-size and Duo-size media. Without a “Memory Stick Duo” media adaptor, you can use both a standard-size “Memory Stick” media and the compact-size “Memory Stick Duo” media.

[*3] When using the “Memory Stick Micro” media with this unit, always insert it into an “M2” adaptor.

[*4] “M2” is an abbreviation for “Memory Stick Micro” media. In this section, “M2” is used to describe “Memory Stick Micro” media.

[*5] Data reading/recording that requires “MagicGate” copyright protection cannot be performed. “MagicGate” is the general name of a copyright protection technology developed by Sony using authentication and encryption.

[*6] This unit does not support 8 bit parallel data transfer.

Notes on use

- Do not insert more than one “Memory Stick” media at the same time, which may cause trouble with this unit.
- When using the “Memory Stick Micro” media with this unit, always insert it into an “M2” adaptor.
- If you insert a “Memory Stick Micro” media into this unit without an “M2” adaptor, you may be unable to remove the “Memory Stick Micro” media.
- If you insert the “Memory Stick Micro” media into an “M2” adaptor, and insert the “M2” adaptor into a “Memory Stick Duo” media adaptor, this unit may not operate properly.
- When you format a “Memory Stick” media, use the format function of your digital camera. If you format a “Memory Stick” media with your computer, images may not be displayed properly.
- When you format a “Memory Stick” media, all the data including the protected image files will be erased. To avoid erasing important data by accident, make sure to check the contents of the “Memory Stick” media before formatting.
- You cannot record, edit or delete data if you slide the write-protect switch to LOCK.
- Do not attach any other material than the supplied label on the labeling position. When you attach the supplied label, be sure to attach it to the labelling position. Be careful that the label does not stick out.

SD memory card

The SD memory card/xD-Picture Card dual-format slot of this unit allows you to use the following:

- SD memory card[*1]
- miniSD memory card, microSD memory card
  (An adaptor is necessary.)[*2]
- SDHC memory card[*3]
- miniSDHC memory card, microSDHC memory card
  (An adaptor is necessary.)[*2]
- MMC standard memory card[*4]

We do not guarantee proper operations for all types of SD memory cards and MMC standard memory cards.

[*1] This unit has been demonstrated as operable with an SD memory card with a capacity of 32 GB or smaller.

[*2] Some commercially available card adaptors have projected terminals on the rear. This type of adaptor may not work properly with this unit.

[*3] This unit has been demonstrated as operable with an SDHC memory card with a capacity of 32 GB or less.

[*4] This unit has been demonstrated as operable with an MMC standard memory card with a capacity of 2 GB or less.

Notes on use

Data reading/recording that requires copyright protection cannot be performed.

xD-Picture Card

With the SD memory card/xD-Picture Card dual-format slot of this unit, you can use an xD-Picture Card[*5]. Not all the memory card operations are supported and we do not guarantee proper operations for all types of xD-Picture Card.

[*5] This unit has been demonstrated as operable with an xD-Picture Card with a capacity of 2 GB or smaller.

Continued

Notes on using memory card

- Be sure that the orientation of the card and the slot are correct. Inserting the card incorrectly or in the wrong slot may damage this unit.
- Inserting a memory card with unnecessary force may damage the memory card or this unit.
- Do not remove a card or turn off this unit while this unit is reading or accessing data, or the access indicator is flashing.
- We recommend that you save backup of the important data.
- The data processed with the computer may not be played with this unit.
- When you carry or store a card, put it in the case supplied with it.
- Do not touch the terminal of a card with your hand or a metal object.
- Do not strike, bend or drop a card.
- Do not disassemble or modify a card.
- Do not expose a card to water.
- Do not use or store a card under the following conditions:
  - Locations beyond the required operational conditions including locations such as the hot interior of a car parked in the sun or/ and in the summer, the outdoors exposed to direct sunlight, or a place near a heater
  - Humid locations or locations with corrosive substances present
  - Locations subject to static electricity or electrical noises

Specifications

■ Digital photo printer/frame

Printing method
Dye sublimation printing (yellow/magenta/cyan 3 pass)

Print resolution
300 (H) dpi × 300 (V) dpi

Image processing per dot
256 Tones (8 bits each for yellow/magenta/cyan)

Printing range
1,800 dots × 1,200 dots

Printing size
101.6 mm × 152.4 mm (4 × 6) in. (maximum, borderless)

Printing speed (per sheet)[*1] [*2]
Internal memory[*3]/Memory card[*4]: Approx. 63 sec.
PC[*5]: Approx. 60 sec.

Ink ribbon/Print paper
→Refer to supplied "About the Print Packs."

LCD screen
LCD panel:
20 cm/8 inches, TFT active matrix
Total number of dots:
1,152,000 dots
(800 × 3 (RGB) × 480) dots

Effective display area
Display aspect ratio:
16:10
LCD screen area:
Approx. 19.3 cm/7.6 inches
Total number of dots:
1,069,080 dots
(755 × 3 (RGB) × 472) dots

LCD backlight life
20,000 hours
(before brightness of the backlight is reduced to half)

Input/Output connectors
USB connector (TypeB, Full-Speed USB)
Slots
"Memory Stick" slot (Standard/Duo)/SD memory card slot/
xD-Picture Card slot/MMC card slot

Compatible image file formats
JPEG: DCF 2.0 compatible, Exif 2.21 compatible, JFIF[*6]
TIFF: Exif 2.21 compatible
BMP[*7]: 1, 4, 8, 16, 24, 32 bit Windows format
(Some image file formats are not compatible.)

Max. no. of pixels that can be displayed and printed
8,000 (H) dots × 6,000 (V) dots[*8]

File system
FAT12/16/32

Image file name
DCF format, 256 characters within 5th hierarchy

Maximum number of files that can be handled
4,999 files in the internal memory or on the memory card

Internal memory capacity[*9]
Approx. 256 MB
(Approx. 500 images[*10] can be saved.)

Power requirements
DC IN jack, DC 24V

Power consumption
80 W (maximum)
On standby mode: less than 1 W

Operating temperature
5 °C to 35 °C (41 °F to 95 °F)

Dimensions
Placed sideways:
Approx. 231 mm × 157 mm × 113 mm (w/h/d) (9 1/8 × 6 1/4 × 4 1/2) in.
Placed vertically:
Approx. 157 mm × 231 mm × 121 mm (w/h/d) (6 1/4 × 9 1/8 × 4 7/8) in.

Continued

Print position (flat):
LCD screen opened:
Approx. 231 mm × 208 mm × 154 mm (w/h/d) (9 1/8 × 8 1/4 × 6 1/8) in.
Depth with paper tray attached:
Approx. 301 mm (11 7/8) in.
LCD screen closed:
Approx. 231 mm × 88 mm × 157 mm (w/h/d) (9 1/8 × 3 1/2 × 6 1/4) in.
Depth with paper tray attached:
Approx. 310 mm (12 1/4) in.

Mass

Approx. 1.5 kg (3lb 4 7/8 oz) (excluding the paper tray (Approx. 115g (4 oz), ink ribbon and AC Adaptor)

Included accessories

See “Checking included items” on page 12.

■ AC Adaptor

*Either one of these adaptors is included.

AC-S2422

Power requirements

~ 100 V to 240 V, 50 Hz/60 Hz
1.5 A to 0.75 A

Rated output voltage

⎓ 24 V 2.2 A
Peak 3.7 A - 9.2 s

Dimensions

Approx. 60 mm × 30.5 mm × 122 mm (2 3/8 × 1 1/4 × 4 7/8) in. (w/h/d) (excluding the protruding parts and cables)

Mass

Approx. 305 g (11 oz)

AC-P2430Z

Power requirements

~ 100 V to 240 V, 50 Hz/60 Hz
1.5 A to 0.75 A

Rated output voltage

⎓ 24 V 3.0 A
Peak 3.7 A - 9.2 s

Dimensions

Approx. 57 mm × 30.5 mm × 136.5 mm (2 1/4 × 1 1/4 × 5 3/8) in. (w/h/d) (excluding the protruding parts and cables)

Mass

Approx. 320 g (11 1/4 oz)

See the label of AC Adaptor for more details.

Design and specifications are subject to change without notice.

* Estimated No. of prints is about 2,000 sheets (P size). For the total No. of prints, see [System Information] in the Settings menu.

*1: Average time from the PRINT being pressed to the printed paper coming out. (Time may vary with the size and format of image data and operating conditions.)

*2: Print settings: [Borders] is set to [Borderless], [Date Print] is set to [OFF], and [Auto Fine Print7] is set to [ON].

*3: Images shot on a Sony digital still camera with an effective pixel count of approximately 12,100,000 (file size about 4.1 MB) and stored on the internal memory with this unit set to [Resize] (file size about 400 KB). (page 64)

*4: Images in *3 stored on a Sony “Memory Stick PRO Duo”. Printed from the “Memory Stick PRO Duo” in the slot of this unit.

*5: Excluding data processing and transferring time.

*6: Baseline JPEG with 4:4:4, 4:2:2, or 4:2:0 format

*7: You cannot use the Picture Motion Browser (PMB) for printing.

*8: 17 dots or more are required both vertically and horizontally. An image with an aspect ratio of 20:1 or more may not be displayed properly. Even if the aspect ratio is less than 20:1, display problem may occur in thumbnails, slideshow or other occasions.

*9: The capacity is calculated as 1 MB is equivalent to 1,000,000 bytes. The actual capacity is reduced as files for management and applications are included. Approximately 190 MB.

*10: The number of stored images is an approximate guide when resizing and importing images. When resizing and importing images, they are automatically resized to about 2,000,000 pixels. This varies depending on the subject and shooting conditions.

Customer support home page

The latest support information is available at the following home page address:

http://www.sony.net/

On trademarks and copyrights

- S-Frame, Cyber-shot, MEMORY STICK, "Memory Stick," MEMORY STICK, "Memory Stick Duo," MEMORY STICK DUO, "MagicGate Memory Stick," "Memory Stick PRO," MEMORY STICK PRO, "Memory Stick PRO Duo," MEMORY STICK PRO DUO, "Memory Stick PRO-HG Duo," MEMORY STICK PRO-HG DUO, "Memory Stick Micro," MEMORY STICK MICRO, M2, "Memory Stick-ROM," MEMORY STICK-ROM, "MagicGate," and MAGICGATE are trademarks or registerd trademarks of Sony Corporation.
- Microsoft, Windows, Windows Vista and DirectX are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Macintosh and Mac OS are registered trademarks of Apple Inc. in the United States and/or other countries.
- Intel and Pentium are the registered trademarks or trademarks of Intel Corporation.
- xD-Picture Card or xD-Picture Card™ is a trademark of FUJIFILM Corporation.
- Contains iType™ and fonts from Monotype Imaging Inc. iType™ is a trademark of Monotype Imaging Inc.
- SD and SDHC Logos are trademarks of SD-3C, LLC.
- Libtiff
  Copyright © 1988 - 1997 Sam Leffler
  Copyright © 1991 - 1997 Silicon Graphics, Inc.
- Lua
  Copyright © 1994-2008 Lua.org, PUC-Rio.
- Full FreeType License
  Copyright 1996-2002, 2006 by David Turner, Robert Wilhelm, and Werner Lemberg
- All other companies and product names mentioned herein may be the trademarks or registered trademarks of their respective companies. Furthermore, "™" and "®" are not mentioned in each case in this manual.
- Other trademarks and trade names are those of their respective owners.

Precautions

On safety

- Be careful not to set or drop any heavy objects on the power cord, or to damage the power cord in any way. Never operate this unit with a damaged power cord.
- Should any solid object or liquid fall into the cabinet, unplug this unit and have it checked by qualified personnel before operating it any further.
- Never disassemble this unit.
- To disconnect the power cord, pull it out by the plug. Never pull the power cord itself.
- When this unit is not going to be used for an extended period of time, disconnect the power cord from the wall outlet.
- Do not handle this unit roughly.
- To reduce the risk of electrical shock, always unplug this unit from the electrical outlet before cleaning and servicing this unit.
- Do not block the ventilation window.
  If the ventilation window is blocked, heat builds up inside this unit and may cause fire or a malfunction. Always do the following to ensure good ventilation.
- Place this unit 20 cm or further from a wall.
- Do not place it in a tight space.
- Do not place it on a deep-pile carpet, blanket or anything that this unit might sink into when placed on top.
- Do not wrap it in cloth.
- Do not use it on its side or upside down.
- Do not touch or peer into the paper ejecting slot. Paper may suddenly come out and cause an injury.
- Do not lift this unit by holding the electrical cord, connecting cord, paper tray, ink ribbon compartment door or LCD screen. You may drop it, which may cause damage to the unit or physical injury.

Continued

On installation

- Avoid placing this unit in a location subject to:
  – vibration
  – humidity
  – excessive dust
  – direct sunlight
  – extremely high or low temperatures
- Do not use electrical equipment near this unit. This unit will not work properly in electromagnetic fields.
- Do not place heavy objects on this unit.
- Leave enough room around the printer so that the ventilation holes are not blocked. Blocking these holes may cause internal heat build-up.

On the AC Adaptor

- Even if this unit is turned off, AC power (house current) is still supplied to it while it is connected to the wall outlet via the AC Adaptor.
- Be sure to use the AC Adaptor supplied with this unit. Do not use other AC Adaptors, as this may cause a malfunction.
- Do not use the supplied AC Adaptor for other devices.
- Do not use an electrical transformer (travel converter), as this may cause overheating or a malfunction.
- In case the cord of the AC Adaptor is damaged, do not use it any longer, as this may be dangerous.

Do not damage the AC Adaptor

Damaging the AC Adaptor may result in fire or electrical shock.

- Do not modify or cut it.
- Do not place a heavy object on it or pull it.
- Keep it away from heating devices. Do not let it get hot.
- Always unplug this unit by holding the plug and pulling it.

If the AC Adaptor is damaged, consult your Sony dealer or Sony customer center.

On moisture condensation

If this unit is brought directly from a cold location to a warm location or placed in an extremely warm or humid room, moisture may condense inside the unit. In such cases this unit will probably not work properly and may even develop a fault if you persist in using it. If moisture condensation occurs, unplug the power cord of this unit and do not use this unit for at least one hour.

On transport

When you transport this unit, remove the ink ribbon, paper tray, memory card, AC Adaptor, and connected cables from this unit and put this unit and its peripherals in the original box with the protective packaging.

If you no longer have the original box and packing parts, use similar packing material so that this unit will not be damaged while being transported.

On cleaning

Clean this unit with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

On CD-ROM

Do not play back the supplied CD-ROM on a music CD player.

Doing so may cause hearing loss or damage speakers or earphones and cause malfunction.

When disposing of this unit

Formatting of this unit may not erase the data in the internal memory completely. When you dispose of this unit, we recommend that you physically destroy this unit.

Notes on disposal of this unit

Data stored on the internal memory of this unit may not be deleted completely by [Format internal memory]. Sony recommends that you physically destroy this unit before disposal.

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memo

memo